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ABSTRACT

The methodology and results of a survey undertaken to develop data on current experiences and future needs of selected nonfederal users in obtaining and using federal information are reported in a letter to the chairman of the Joint Committee on Printing (JCP) of the U.S. Congress and in eight appendixes. Noting that information from the survey was used to assist the JCP and others in determining if, and how, technology might help to meet these needs, the letter describes the collection of data from libraries and associations using a questionnaire developed in consultation with the JCP and the Office of Technology Assessment. The number of respondents in each of the five groups of federal information users that were surveyed is also given: (1) regional depository libraries (46); (2) selective depository libraries (357); (3) general libraries, such as public, university, and college, and corporate libraries (436); (4) scientific and technical associations (149); and (5) general associations (173). Information on the survey is then presented in the eight appendixes. Appendix I describes the objective, scope, and overall methodology of the survey. Appendixes II through VI each contain the specific methodology and a tally of the questionnaire results for each of the five groups of respondents. A glossary of terms included in the questionnaire is contained in Appendix VII, while Appendix VIII provides a listing of major contributors to this publication. (CGD)

ED307861

GAO

United States General Accounting Office

Fact Sheet for the Chairman, Joint Committee on Printing, U.S. Congress

November 1988

FEDERAL INFORMATION

Users' Current and Future Technology Needs

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
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IR052695

GAO/GGD-89-20FS

GAO

United States
General Accounting Office
Washington, D.C. 20548

General Government Division

B-231160

November 30, 1988

The Honorable Frank Annunzio
Chairman, Joint Committee on Printing
Congress of the United States

Dear Mr. Chairman:

As requested by the former Chairman and you, we have completed a survey of the current and future needs of federal information users with emphasis on how technology might help meet these needs.

Our survey was undertaken to provide information to assist the Office of Technology Assessment (OTA) in the study it did at your request entitled "Technology, Public Policy, and the Changing Nature of Federal Information Dissemination."[1] The Committee requested the OTA study at the same time it requested assistance from us. The Committee's overall objective in requesting this work was to assess the implications of evolving public printing, publishing, and information dissemination technology on the future of the Government Printing Office (GPO) and public information functions of the federal government. As agreed, we obtained information through questionnaires sent to two categories of nonfederal users of federal information: libraries and associations.

The questionnaire was developed in consultation with the Committee and OTA. Federal information users who were sent questionnaires were asked to describe their current experiences and future expectations. We received 1,161 completed questionnaires from the following five groups of federal information users:

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[1]OTA's resulting report, dated October 1988, is entitled Informing the Nation: Federal Information Dissemination in an Electronic Age. At the Committee's request we also did a survey of federal agency information needs and practices. Results are reported in Federal Information: Agency Needs and Practices (GAO/GGD-88-115FS, Sept. 20, 1988).

-- Regional depository libraries, 46 responses.

-- Selective depository libraries, 357 responses.

-- General libraries, 436 responses.

-- Scientific and technical associations, 149 responses.

-- General associations, 173 responses.

As agreed with the Committee, information in this fact sheet is limited to a compilation of library and association questionnaire responses. We edited responses for completeness and internal consistency. However, we did not independently verify the accuracy of the responses.

Appendix I describes our objective, scope, and overall methodology. Appendixes II through VI each contain the specific methodology and the aggregate questionnaire results for one of the five groups surveyed. A glossary of terms included in the questionnaire is contained in appendix VII.

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As agreed with the Committee, we are sending copies to interested parties and making copies available to others upon request. The major contributors to this fact sheet are listed in appendix VIII.

Sincerely yours,

L. Nye Stevens

L. Nye Stevens
Associate Director

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ABBREVIATIONS

GPO	Government Printing Office
JCP	Joint Committee on Printing
OTA	Office of Technology Assessment

OBJECTIVE, SCOPE, AND METHODOLOGY

Our objective was to develop data on current experiences and future expectations of selected nonfederal users in obtaining and using federal information. This information was to assist the Joint Committee on Printing (JCP) and others in determining if and how technology might help meet these needs.[1]

Through a questionnaire we obtained data from selected users of federal information who were not part of the federal government. In conjunction with JCP, we determined that various categories of libraries and associations were appropriate groups to sample. We selected all regional depository libraries and used statistical sampling techniques to select potential respondents from four other groups of nonfederal users of federal information. The other groups were

-- selective depository libraries;

-- other nonfederal libraries such as public, university and college, and corporate libraries;

-- scientific and technical associations; and

-- general associations, categorized as being trade, business, and commercial organizations; agricultural organizations and commodity exchanges; legal, governmental, public administration, and military organizations; educational organizations; social welfare organizations; health and medical organizations; public affairs organizations; and labor unions, associations, and federations.

We received completed responses from

-- 46 regional depository libraries;

-- 357 selective depository libraries;

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[1]This fact sheet is a companion to our earlier fact sheet, Federal Information: Agency Needs and Practices (GAO/GGD-88-115FS, Sept. 20, 1988). The earlier fact sheet contains information we obtained directly from federal departments and agencies to help assess their current efforts and their plans for disseminating information in new formats made possible by technological advances.

-- 436 public, college and university, and corporate libraries;

-- 149 scientific and technical associations; and

-- 173 general associations.

SAMPLING AND DATA ANALYSIS METHODOLOGY

We developed questionnaires in consultation with JCP and the Office of Technology Assessment (OTA). We pretested the questionnaires during October and November 1987 with 10 organizations representing the target populations. In addition, we provided drafts of the questionnaires to the Government Printing Office (GPO), OTA, JCP, library associations, and OTA advisory groups for review and comment. We made modifications to the questionnaire on the basis of comments we received. The final version was approved by JCP.

In four of the five surveys we did not survey the entire universe. Consequently, our results contain sampling errors. The sampling errors are presented in each appendix where sampling was used so readers can estimate the variability for each question that would be obtained if different samples of libraries and associations had been selected. The sampling errors range from not more than 5 percent to not more than 8 percent.

Appendixes II through VI contain our specific methodology and survey results for each of the five groups of respondents.

APPENDIX II

REGIONAL DEPOSITORY LIBRARIES - METHODOLOGY AND SURVEY RESULTS

Between December 30, 1987, and March 16, 1988, we did a mail survey of the 51 regional depository libraries in GPO's depository library program. These libraries are required by law (44 U.S.C. 1912) to receive from GPO copies of all new and revised government publications authorized for distribution to depository libraries.

METHODOLOGY

Questionnaires were sent to each of the 51 regional depository libraries identified on a computer tape of all federal depository libraries, other than map depositories, we obtained from GPO.

To assure the greatest possible participation, we sent one additional request after the initial mailing.

SURVEY RESULTS

Of the 51 libraries mailed questionnaires, 46 responded for a response rate of 90 percent. A copy of the questionnaire follows that is annotated to show the overall responses for this group of 46 regional depository libraries. Results are expressed in percentages. Totals may not add to 100 percent due to rounding.

APPENDIX II

REGIONAL DEPOSITORY LIBRARIES N=46

1. Is your library located in a Standard Metropolitan Statistical Area (SMSA)? (Check one.)

   1. [84.8] Yes (Skip to question 3.)

   2. [15.2] No (Continue with question 2.)

2. In which of the following size cities or towns is your library located? (Check one.)

   1. [ ] Large city (100,000 - 500,000)

   2. [15.2] Small city (10,000 - 99,999)

   3. [ ] Small town (Population under 10,000)

   4. [ ] Rural area (Population under 1,000)

   Skip 84.8

3. Please indicate the number of people employed by your library system? (Check one.)

   1. [ ] Less than 5

   2. [ ] 5 to 14

   3. [ ] 15 to 24

   4. [10.9] 25 to 49

   5. [89.1] 50 or more

APPENDIX II

4. Which of the following topics describe the general subject matter of federal information that your library currently uses or has used during the past 12 months? (Check all that apply.)

1. [91.3] Aerospace/aviation
2. [100.0] Agriculture
3. [80.4] Arts
4. [97.8] Business management
5. [97.8] Banking and securities
6. [91.3] Child care
7. [95.7] Colleges/universities
8. [95.7] Consumer information/ product safety
9. [95.7] Corrections/ penal systems
10. [100.0] Demographics/vital statistics/ census information
11. [100.0] Economics
12. [100.0] Education
13. [87.0] Elections
14. [100.0] Energy
15. [97.8] Environment
16. [97.8] Foreign affairs
17. [82.6] Gardening/home repairs
18. [93.5] Geology
19. [100.0] Government organization
20. [97.8] Health/nutrition
21. [97.8] History
22. [78.3] Insurance
23. [78.3] Investments
24. [97.8] Labor issues
25. [95.7] Law enforcement
26. [100.0] Laws/regulations
27. [95.7] Mental health
28. [97.8] Military
29. [89.1] Natural resources/mining
30. [100.0] Patents/trademarks/ copyrights
31. [84.8] Personnel issues
32. [91.3] Public administration
33. [93.5] Recreation/tourism
34. [95.7] Retirement/aging issues
35. [100.0] Science
36. [100.0] Social programs
37. [100.0] Taxes
38. [100.0] Technology
39. [95.7] Telecommunications
40. [100.0] Trade
41. [100.0] Transportation
42. [28.3] Other (Specify)
43. [15.2] Other (Specify)

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5. How often or rarely does your library use the following sources of federal information?

RESPONSE SCALE

1 = VERY OFTEN (At least once a week)
2 = OFTEN (At least once a month)
3 = OCCASIONALLY (At least once in the last 6 months)
4 = RARELY (At least once in the past 12 months)
5 = NEVER

FEDERAL INFORMATION SOURCE	FREQUENCY OF USE					
	1	2	3	4	5	No Answer
A. DIRECT FROM THE GOVERNMENT						
1. U.S. Government Printing Office (GPO)						
By mail/telephone order	17.4	41.3	21.7	13.0	4.3	2.2
From GPO bookstore	2.2	32.6	17.4	19.6	23.9	4.3
From a GPO depository library government documents collection	80.4	4.3	4.3	4.3		6.5
2. National Technical Information Service (NTIS)	30.4	21.7	30.4	8.7	6.5	2.2
3. Consumer Information Center (Pueblo, CO)	4.3	6.5	28.3	30.4	30.4	
4. Individual federal agencies (e.g., Census Bureau, Department of Labor, etc.)	32.6	37.0	19.6	8.7	2.2	
5. Office of U.S. Senator or Representative		19.6	54.3	23.9	2.2	
6. Congressional Committee	2.2	13.0	30.4	37.0	17.4	
7. Congressional agency (Library of Congress, General Accounting Office, Office of Technology Assessment, Congressional Budget Office, Congressional Research Service)	17.4	28.3	32.6	13.0	8.7	
8. State or local government agency	41.3	30.4	17.4	6.5	4.3	

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APPENDIX II

	1	2	3	4	5	No Answer
B. VIA THE MEDIA						
1. Newspaper	45.7	19.6	21.7	10.9	2.2	
2. News magazines	45.7	10.9	26.1	15.2	2.2	
3. Radio/television	13.0	15.2	41.3	21.7	8.7	
4. Trade, professional, or scientific journals	37.0	21.7	26.1	10.9	4.3	
5. Newsletters	32.6	21.7	28.3	15.2	2.2	
C. FROM COMMERCIAL SOURCES/VENDORS						
1. Commercial bookstore	2.2	6.5	15.2	32.6	43.5	
2. Mail/telephone order company or direct from publisher	28.3	19.6	21.7	21.7	8.7	
3. Electronic on-line database vendor	45.7	17.4	13.0	13.0	10.9	
4. Information broker (documents retrieval company or specialist)	13.0	4.3	10.9	17.4	54.3	
D. FROM OTHER LIBRARIES (e.g., through inter-library loans)						
1. Local public library	8.7	6.5	10.9	34.8	37.0	2.2
2. Local school (Grade 1-12) library			2.2	6.5	91.3	
3. College/university library	30.4	32.6	28.3	8.7		
4. Organization/corporate library or information center	4.3	15.2	23.9	32.6	23.9	
5. Federal agency library	4.3	23.9	30.4	32.6	8.7	
6. State agency library	6.5	28.3	30.4	13.0	21.7	
7. State government library	17.4	23.9	23.9	17.4	10.9	6.5

6. For the following types of federal information that your library currently obtains, whether from federal or non-federal sources, which format(s) do you use? (CHECK AS MANY BOXES IN EACH ROW AS APPLY. IF YOU DO NOT USE THIS TYPE OF FEDERAL INFORMATION, CHECK COLUMN (a) FOR THAT ROW.)

Regional Depository Libraries
N=46

TYPES OF FEDERAL INFORMATION	(a) DO NOT USE THIS TYPE OF FEDERAL INFORMATION	(b) PAPER	(c) MICROFILM	(d) MICROFICHE	(e) ELECTRONIC MAIL OR BULLETIN BOARD	(f) ON-LINE DATA BASE	(g) MAGNETIC TAPE/DISK	(h) FLOPPY DISK OR DISKETTE	(i) VIDEODISK	(j) COMPACT OPTICAL DISK	(k) FILM	(l) VIDEOTAPE	NO RESPONSE
	FORMATS CURRENTLY USED												
1. Congressional record/ hearings/reports/bills		100	21.7	100	2.2	30.4	2.2	4.3	2.2	6.5	2.2	2.2	
2. Laws/statutes		97.8	8.7	50.0		23.9		2.2		2.2			
3. Scientific and technical reports/information		100	21.7	97.8	6.5	43.5	4.3	4.3	4.3	15.2	4.3	8.7	
4. Consumer pamphlets/ reports		97.8	4.3	47.8		6.5							2.2
5. Press releases/bulletins		97.8	2.2	34.8	8.7	19.6							2.2
6. Catalogs/abstracts/ bibliographies/indices		100	28.3	78.3	4.3	67.4	6.5	2.2		30.4	2.2		
7 Agency operational manuals	4.3	95.7	4.3	67.4									
8. Agency contractual specifications/documents		97.8	6.5	67.4		13.0							
9. Agency program/ project reports		95.7	4.3	84.8		10.9							
10. Agency decisions/ administrative opinions		97.8	6.5	82.6		17.4							
11. Agency rules/ regulations/directives		100	8.7	82.6		23.9		2.2				2.2	
12. Maps, charts, photos		97.8	6.5	58.7		8.7		2.2		2.2	2.2		2.2
13. Computer models/ programs	34.8	30.4		13.0			2.2	8.7	2.2	2.2			13.0
14. Statistical data		100	8.7	100	13.0	60.9	10.9	6.5	2.2	17.4			
15. Satellite imagery/data	32.6	47.8	2.2	21.7		2.2		2.2			4.3		8.7
16 Other (Specify) _____		10.9	6.5	6.5	2.2	6.5			2.2	2.2			

APPENDIX II

7. For the following types of federal information that your library would like to obtain in the next 3 years, whether from federal or non-federal sources, which formats would you desire? (CHECK AS MANY BOXES IN EACH ROW AS APPLY. IF YOU ARE NOT LIKELY TO USE THIS TYPE OF FEDERAL INFORMATION, CHECK COLUMN (a) FOR THAT ROW.)

Regional Depository Libraries
N=46

FORMATS DESIRED FOR USE IN THE NEXT 3 YEARS

TYPES OF FEDERAL INFORMATION	(a) DO NOT USE THIS TYPE OF FEDERAL INFORMATION	(b) PAPER	(c) MICROFILM	(d) MICROFICHE	(e) ELECTRONIC MAIL OR BULLETIN BOARD	(f) ON-LINE DATA BASE	(g) MAGNETIC TAPE/DISK	(h) FLOPPY DISK OR DISKETTE	(i) VIDEODISK	(j) COMPACT OPTICAL DISK	(k) FILM	(l) VIDEOTAPE	NO RESPONSE
1. Congressional record/ hearings/reports/bills	2.2	89.1	6.5	87.0	13.0	52.2	6.5	4.3	6.5	60.9			
2. Laws/statutes	2.2	87.0	2.2	47.8	15.2	52.2	6.5	6.5	4.3	58.7			2.2
3. Scientific and technical reports/information		63.0	4.3	84.8	6.5	47.8	8.7	10.9	10.9	60.9	2.2	4.3	2.2
4. Consumer pamphlets/ reports	2.2	91.3		34.8	4.3	8.7	4.3	2.2	4.3	13.0		2.2	2.2
5. Press releases/bulletins	4.3	76.1	2.2	37.0	39.1	32.6	2.2	2.2	2.2	13.0			2.2
6. Catalogs/abstracts/ bibliographies/indices	2.2	84.8	6.5	39.1	6.5	73.9	8.7	13.0	4.3	82.6	2.2		
7 Agency operational manuals	2.2	56.5	4.3	56.5		21.7	4.3	6.5	4.3	34.8		2.2	2.2
8. Agency contractual specifications/documents		45.7	6.5	78.3	8.7	39.1	4.3	8.7	4.3	45.7			2.2
9. Agency program/ project reports		65.2	6.5	73.9		19.6	4.3	2.2	4.3	30.4			4.3
10. Agency decisions/ administrative opinions		65.2	6.5	65.2	8.7	50.0	4.3	8.7	4.3	50.0			2.2
11. Agency rules/ regulations/directives		71.7	6.5	67.4	15.2	52.2	4.3	10.9	4.3	54.3			2.2
12. Maps, charts, photos	2.2	91.3	6.5	26.1	6.5	10.9	6.5	6.5	26.1	32.6	4.3	6.5	
13. Computer models/ programs	23.9	28.3		15.2		15.2	19.6	34.8	8.7	23.9		2.2	13.0
14. Statistical data	2.2	84.8	6.5	56.5	21.7	67.4	19.6	39.1	13.0	71.7	2.2		
15. Satellite imagery/data	23.9	52.2	6.5	21.7	2.2	15.2	13.0	13.0	10.9	34.8	4.3	6.5	8.7
16 Other (Specify) _____		8.7	6.5	6.5	2.2	10.9			2.2	10.9			

APPENDIX II

8. This question deals with four possible problems that your library may encounter when obtaining and using federal information in PAPER FORMAT, either (A) directly from federal sources, or (B) indirectly from non-federal sources. How much of a problem, if any, are these four factors for your library as a user of federal information in paper format for the following types of publications from these sources?

RESPONSE SCALE

1 = A very great problem
2 = A great problem
3 = A moderate problem
4 = Some problem
5 = Little or no problem
6 = Do not use this document in paper format from this source

SOURCE CODE

(A) Directly from federal sources
(B) Indirectly from non-federal sources

TYPES OF PUBLICATIONS/PROBLEMS

		Response frequencies						
	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL RECORD								
1. Ability to locate Congressional Record volume	(A)	2.2	4.3	6.5	8.7	78.3		
	(B)		2.2	4.3	4.3	10.9	54.3	23.9
2. Monetary cost of obtaining the information	(A)	2.2		6.5	2.2	89.1		
	(B)	13.0	2.2		4.3	6.5	52.2	21.7
3. Timeliness of the information when received	(A)	13.0	6.5	21.7	28.3	30.4		
	(B)	4.3		4.3	10.9	2.2	52.2	26.1
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.2	10.9	17.4	23.9	45.7		
	(B)			2.2	10.9	13.0	50.0	23.9

APPENDIX II

	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL COMMITTEE REPORTS								
1. Ability to locate congressional committee reports	(A)	6.5	6.5	15.2	23.9	47.8		
	(B)		2.2	2.2	6.5	30.4	37.0	21.7
2. Monetary cost of obtaining the information	(A)			4.3	6.5	89.1		
	(B)	15.2	6.5	13.0	4.3	2.2	37.0	21.7
3. Timeliness of the information when received	(A)	8.7	8.7	28.3	41.3	13.0		
	(B)		2.2	10.9	17.4	6.5	37.0	26.1
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.2		8.7	21.7	67.4		
	(B)			2.2	13.0	26.1	34.8	23.9
FEDERAL REGISTER								
1. Ability to locate Federal Register volume	(A)	2.2	4.3	17.4	6.5	67.4	2.2	
	(B)		2.2		2.2	28.3	45.7	21.7
2. Monetary cost of obtaining the information	(A)			4.3	2.2	93.5		
	(B)	13.0	2.2	13.0	4.3	2.2	43.5	21.7
3. Timeliness of the information when received	(A)	8.7	4.3	15.2	23.9	47.8		
	(B)			4.3	15.2	8.7	43.5	28.3
4. Ability to use the information (e.g., access, format, etc.)	(A)	10.9	2.2	26.1	21.7	37.0		2.2
	(B)			4.3	6.5	23.9	39.1	26.1
CONSUMER PAMPHLETS/REPORTS								
1. Ability to locate consumer pamphlets/reports	(A)	2.2	8.7	19.6	32.6	37.0		
	(B)	4.3	2.2	4.3	6.5	8.7	47.8	26.1
2. Monetary cost of obtaining the information	(A)			4.3	8.7	87.0		
	(B)	10.9	4.3	6.5	2.2	6.5	45.7	23.9
3. Timeliness of the information when received	(A)	4.3	6.5	10.9	37.0	41.3		
	(B)		2.2	8.7	6.5	8.7	45.7	28.3
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.2		6.5	19.6	71.7		
	(B)			6.5	6.5	15.2	43.5	28.3

APPENDIX II

	Source	1	2	3	4	5	6	No Answer
SCIENTIFIC/TECHNICAL REPORTS								
1. Ability to locate scientific/technical reports	(A)	10.9	19.6	43.5	17.4	8.7		
	(B)	4.3	6.5	6.5	8.7	17.4	32.6	23.9
2. Monetary cost of obtaining the information	(A)	6.5	10.9	21.7	15.2	45.7		
	(B)	13.0	8.7	17.4	2.2	6.5	30.4	21.7
3. Timeliness of the information when received	(A)	6.5	13.0	34.8	23.9	21.7		
	(B)	6.5	2.2	15.2	10.9	8.7	30.4	26.1
4. Ability to use the information (e.g., access, format, etc.)	(A)	6.5	4.3	26.1	23.9	39.1		
	(B)	2.2	4.3	8.7	8.7	19.6	30.4	26.1
STATISTICAL INFORMATION								
1. Ability to locate statistical documents	(A)	6.5	10.9	23.9	30.4	28.3		
	(B)	2.2		10.9	21.7	30.4	19.6	15.2
2. Monetary cost of obtaining the information	(A)	2.2	2.2	10.9	13.0	71.7		
	(B)	19.6	21.7	13.0	6.5	6.5	19.6	13.0
3. Timeliness of the information when received	(A)	19.6	19.6	30.4	28.3	2.2		
	(B)	4.3	6.5	8.7	28.3	13.0	19.6	19.6
4. Ability to use the information (e.g., access, format, etc.)	(A)	4.3	6.5	21.7	30.4	37.0		
	(B)		2.2	10.9	21.7	28.3	17.4	19.6

APPENDIX II

9. This question deals with four possible problems that your library may encounter when obtaining and using federal information from ON-LINE DATA BASES, either (A) directly from federal sources, or (B) indirectly from non-federal sources. How much of a problem, if any, are these four factors for your library as a user of federal information from on-line data bases for the following types of publications from these sources?

RESPONSE SCALE

1 = A very great problem
2 = A great problem
3 = A moderate problem
4 = Some problem
5 = Little or no problem
6 = Do not use this document from on-line data bases from this source

SOURCE CODE

(A) Directly from federal sources
(B) Indirectly from non-federal sources

TYPES OF PUBLICATIONS/PROBLEMS

		Response frequencies						
	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL RECORD								
1. Ability to locate	(A)	6.5			4.3	8.7	73.9	6.5
Congressional Record volume	(B)	4.3		4.3	6.5	30.4	47.8	6.5
2. Monetary cost of obtaining	(A)	4.3		2.2	8.7	8.7	69.6	6.5
the information	(B)	19.6	4.3	17.4	4.3	2.2	43.5	8.7
3. Timeliness of the	(A)	2.2	2.2	4.3	2.2	13.0	69.6	6.5
information when received	(B)			8.7	10.9	28.3	43.5	8.7
4. Ability to use the	(A)		2.2		2.2	15.2	69.6	10.9
information (e.g., access,	(B)		4.3	6.5	6.5	28.3	43.5	10.9
format, etc.)								

APPENDIX II

	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL COMMITTEE REPORTS								
1. Ability to locate congressional committee reports	(A)	6.5	2.2		4.3	6.5	71.7	8.7
	(B)		2.2	8.7	10.9	21.7	50.0	6.5
2. Monetary cost of obtaining the information	(A)	4.3		4.3	6.5	6.5	69.6	8.7
	(B)	15.2	2.2	17.4	6.5	4.3	47.8	6.5
3. Timeliness of the information when received	(A)	6.5		4.3	4.3	6.5	69.6	8.7
	(B)			4.3	26.1	13.0	47.8	8.7
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.2			2.2	17.4	69.6	8.7
	(B)	2.2		6.5	8.7	26.1	47.8	8.7
FEDERAL REGISTER								
1. Ability to locate Federal Register volume	(A)	4.3	2.2	2.2	2.2	6.5	73.9	8.7
	(B)	4.3		2.2	6.5	45.7	37.0	4.3
2. Monetary cost of obtaining the information	(A)	2.2		6.5	4.3	6.5	71.7	8.7
	(B)	26.1	6.5	19.6	2.2	6.5	34.8	4.3
3. Timeliness of the information when received	(A)			6.5	2.2	10.9	71.7	8.7
	(B)		2.2	4.3	17.4	34.8	34.8	6.5
4. Ability to use the information (e.g., access, format, etc.)	(A)				6.5	13.0	71.7	8.7
	(B)	2.2		6.5	10.9	39.1	34.8	6.5
CONSUMER PAMPHLETS/REPORTS								
1. Ability to locate consumer pamphlets/reports	(A)	4.3		2.2	2.2	10.9	69.6	10.9
	(B)	6.5	2.2	8.7	2.2	13.0	60.9	6.5
2. Monetary cost of obtaining the information	(A)	2.2		4.3	8.7	6.5	67.4	10.9
	(B)	19.6	4.3	6.5	4.3		56.5	8.7
3. Timeliness of the information when received	(A)	4.3	2.2	2.2	6.5	6.5	67.4	10.9
	(B)	4.3	2.2	6.5	4.3	15.2	56.5	10.9
4. Ability to use the information (e.g., access, format, etc.)	(A)		2.2		2.2	17.4	67.4	10.9
	(B)	2.2	2.2	4.3		23.9	56.5	10.9

APPENDIX II

	Source	1	2	3	4	5	6	No Answer
SCIENTIFIC/TECHNICAL REPORTS								
1. Ability to locate scientific/technical reports	(A)		8.7	6.5	8.7	15.2	50.0	10.9
	(B)	4.3	8.7	6.5	19.6	30.4	23.9	6.5
2. Monetary cost of obtaining the information	(A)	4.3	6.5	6.5	17.4	4.3	47.8	13.0
	(B)	26.1	8.7	17.4	13.0	8.7	21.7	4.3
3. Timeliness of the information when received	(A)		4.3	6.5	10.9	17.4	47.8	13.0
	(B)	4.3	2.2	17.4	13.0	34.8	21.7	6.5
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.2	2.2	8.7	17.4	8.7	47.8	13.0
	(B)	2.2	4.3	19.6	17.4	28.3	21.7	6.5
STATISTICAL INFORMATION								
1. Ability to locate statistical documents	(A)	8.7	2.2	6.5	10.9	8.7	54.3	8.7
	(B)	6.5		15.2	13.0	26.1	32.6	6.5
2. Monetary cost of obtaining the information	(A)		10.9	8.7	8.7	10.9	52.2	8.7
	(B)	26.1	6.5	19.6	4.3	8.7	28.3	6.5
3. Timeliness of the information when received	(A)	4.3	2.2	8.7	10.9	13.0	52.2	8.7
	(B)	2.2	2.2	13.0	19.6	26.1	28.3	8.7
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.2	2.2	6.5	15.2	13.0	52.2	8.7
	(B)	2.2	4.3	15.2	15.2	26.1	28.3	8.7

APPENDIX II

10. To which of the following types of equipment does your library have access? (Check all that apply.)

1. [71.7] Microcomputer (PC) without modem
2. [93.5] Microcomputer (PC) with modem for on-line access
3. [82.6] Microfiche reader without printer
4. [97.8] Microfiche reader with printer
5. [69.6] CD-ROM (Compact disk/random access memory reader)
6. [23.9] Videodisk player
7. [60.9] Mainframe computer (for magnetic tape/disk access)

11. Whether or not your library currently has the necessary equipment, how useful or not would the following on-line (i.e., immediate access) electronic information services be to your library? (Check one box in each row.)

(Note: Such on-line services might be provided by the federal government, commercial vendors, or not-for-profit organizations.)

	Greatly useful	Useful	Moderately useful	Somewhat useful	Of little or no use	No Answer
ON-LINE (IMMEDIATE ACCESS) ELECTRONIC INFORMATION SERVICES						
1. Congressional Record	43.5	28.3	19.6	4.3	4.3	
2. Committee Calendar and Bill Status	65.2	17.4	13.0	2.2	2.2	
3. Federal Register	76.1	17.4	4.3		2.2	
4. Federal agency press releases	28.3	23.9	26.1	13.0	8.7	
5. Agency reports	28.3	32.6	15.2	13.0	6.5	4.3
6. Comprehensive index to federal information (All types/formats in Q.6)	91.3	8.7				
7. Integrated database of key federal statistical series (e.g.,statistics on energy, environment, agriculture, population)	93.5	6.5				

APPENDIX II

12. Whether or not your library currently has the necessary equipment, how useful or not would the following off-line (CD-ROM issued monthly) electronic information services be to your library? (Check one box in each row.)

(Note: Such off-line services might be provided by the federal government, commercial vendors, or not-for-profit organizations.)

	Greatly useful	Useful	Moderately useful	Somewhat useful	Of little or no use	No Answer
OFF-LINE ELECTRONIC INFORMATION SERVICES (CD-ROM ISSUED MONTHLY)						
1. Congressional Record	47.8	28.3	10.9	6.5	4.3	2.2
2. Committee Calendar and Bill Status	37.0	30.4	13.0	8.7	8.7	2.2
3. Federal Register	65.2	17.4	4.3	6.5	4.3	2.2
4. Federal agency press releases	19.6	23.9	23.9	15.2	15.2	2.2
5. Agency reports	41.3	23.9	10.9	15.2	6.5	2.2
6. Comprehensive index to federal information (All types/formats in Q.6)	80.4	15.2	2.2	2.2		
7. Integrated database of key federal statistical series (e.g., statistics on energy, environment, agriculture, population)	84.8	10.9	2.2	2.2		

APPENDIX II

13. For these ON-LINE (immediate access) information services, assuming that there would be no charge other than the on-line access charge, which of the following charges would be the maximum hourly on-line access charge that your library would be willing to pay? (Check one box for each row.)

(Note: Assume that telecommunications charges are a part of the on-line access charge.)

	TOTAL HOURLY ON-LINE ACCESS CHARGE							
	$1-$9 PER HOUR	$10-$24 PER HOUR	$25-$49 PER HOUR	$50-$99 PER HOUR	$100 OR MORE PER HOUR	DO NOT KNOW	NOT WILLING TO PAY	NO ANSWER
ON-LINE ELECTRONIC INFORMATION SERVICES								
1. Congressional Record	34.8	17.4	23.9		4.3	19.6		
2. Committee Calendar and Bill Status	30.4	21.7	17.4	4.3	2.2	21.7		2.2
3. Federal Register	26.1	19.6	23.9	4.3	4.3	21.7		
4. Federal agency press releases	37.0	15.2	10.9	2.2	2.2	32.6		
5. Agency reports	30.4	17.4	15.2	2.2	2.2	32.6		
6. Comprehensive index to federal information	15.2	19.6	26.1	13.0	4.3	21.7		
7. Integrated database of key statistical series	15.2	17.4	26.1	15.2	4.3	21.7		

APPENDIX II

14. For these OFF-LINE (CD-ROM) information services, assuming that there would be no charge other than the purchase price of the CD-ROM, which of the following prices would be the maximum price that your library would be willing to pay for these information services issued monthly? (Check one box for each row.)

	PURCHASE PRICE FOR CD-ROM ISSUED MONTHLY								
	$1-19 PER CD-ROM	$20-49 PER CD-ROM	$50-199 PER CD-ROM	$200-499 PER CD-ROM	$500-999 PER CD-ROM	$1,000 OR MORE PER CD-ROM	DO NOT KNOW	NOT WILLING TO PAY	NO ANSWER
OFF-LINE ELECTRONIC INFORMATION SERVICES (INCLUDES ALL OUTPUT FOR THAT MONTH)									
1. Congressional Record	37.0	26.1	6.5		2.2	2.2	23.9	2.2	
2. Committee Calendar and Bill Status	43.5	21.7	2.2		2.2	2.2	26.1	2.2	
3. Federal Register	32.6	19.6	13.0	2.2	2.2	2.2	26.1	2.2	
4. Federal agency press releases	39.1	15.2	2.2		2.2	2.2	34.8	2.2	2.2
5. Agency reports	30.4	23.9	4.3		2.2	2.2	32.6	2.2	2.2
6. Comprehensive index to federal information	19.6	28.3	15.2		2.2	6.5	26.1	2.2	
7. Integrated database of key statistical series	21.7	26.1	13.0	2.2	2.2	6.5	26.1	2.2	

APPENDIX III

SELECTIVE DEPOSITORY LIBRARIES - METHODOLOGY AND SURVEY RESULTS

Between December 30, 1987, and March 16, 1988, we did a mail survey of a random sample of selective depository libraries. These libraries do not receive all documents GPO publishes. Under the federal depository library program they select documents they believe would interest their patrons.

METHODOLOGY

We obtained a computer tape from GPO of all selective depository libraries. As of November 1987, 1,342 libraries were classified as selective depository libraries. Of these, 69 were libraries in federal agencies and federal courts. Because of our interest in nonfederal users of federal information, we deleted these 69 libraries from our universe for an adjusted universe total of 1,273.

We sent questionnaires to a random sample of 400 of the 1,273 selective depository libraries and, where necessary, made one follow-up contact to obtain as much participation as possible.

SURVEY RESULTS

Of the 400 selective depository libraries mailed questionnaires, 357 responded for a response rate of 89 percent. Taking the nonrespondent libraries into account, the results of this survey are projectable to 1,136 libraries or 89 percent of the total of the 1,273 selective depository libraries. A copy of the questionnaire follows that is annotated to show the overall responses to each item in percentages of selective depository libraries. The results are subject to sampling errors of not more than 5 percent at the 95-percent confidence level except for question 2, which has a sampling error of not more than 8 percent. Totals may not add to 100 percent due to rounding.

APPENDIX III

SELECTIVE DEPOSITORY LIBRARIES N=357

1. Is your library located in a Standard Metropolitan Statistical Area (SMSA)? (Check one.)

   1. [67.8] Yes (Skip to question 3.)

   2. [30.5] No (Continue with question 2.)

   No response 1.7

2. In which of the following size cities or towns is your library located? (Check one.)

   1. [1.4] Large city (100,000 - 500,000)

   2. [18.8] Small city (10,000 - 99,999)

   3. [9.5] Small town (Population under 10,000)

   4. [0.8] Rural area (Population under 1,000)

   No response 1.4

   Skip 68.1

3. Please indicate the number of people employed by your library system? (Check one.)

   1. [3.1] Less than 5

   2. [23.2] 5 to 14

   3. [17.6] 15 to 24

   4. [17.9] 25 to 49

   5. [36.4] 50 or more

   No response 1.7

APPENDIX III

4. Which of the following topics describe the general subject matter of federal information that your library currently uses or has used during the past 12 months? (Check all that apply.)

1. [58.8] Aerospace/aviation
2. [68.3] Agriculture
3. [57.1] Arts
4. [77.0] Business management
5. [69.2] Banking and securities
6. [60.2] Child care
7. [75.1] Colleges/universities
8. [82.1] Consumer information/ product safety
9. [70.0] Corrections/penal systems
10. [90.5] Demographics/vital statistics/ census information
11. [78.4] Economics
12. [84.6] Education
13. [63.6] Elections
14. [76.5] Energy
15. [84.0] Environment
16. [82.4] Foreign affairs
17. [37.3] Gardening/home repairs
18. [59.7] Geology
19. [83.2] Government organization
20. [77.6] Health/nutrition
21. [72.5] History
22. [40.9] Insurance
23. [51.8] Investments
24. [77.0] Labor issues
25. [73.9] Law enforcement
26. [93.3] Laws/regulations
27. [70.0] Mental health
28. [66.7] Military
29. [64.7] Natural resources/mining
30. [68.1] Patents/trademarks/ copyrights
31. [49.9] Personnel issues
32. [56.9] Public administration
33. [61.1] Recreation/tourism
34. [71.4] Retirement/aging issues
35. [68.1] Science
36. [75.9] Social programs
37. [90.5] Taxes
38. [64.4] Technology
39. [57.1] Telecommunications
40. [74.8] Trade
41. [63.3] Transportation
42. [13.2] Other (Specify)
43. [4.5] Other (Specify)

APPENDIX III

5. How often or rarely does your library use the following sources of federal information?

RESPONSE SCALE

1 = VERY OFTEN (At least once a week)
2 = OFTEN (At least once a month)
3 = OCCASIONALLY (At least once in the last 6 months)
4 = RARELY (At least once in the past 12 months)
5 = NEVER

FEDERAL INFORMATION SOURCE	FREQUENCY OF USE					
	1	2	3	4	5	No Answer
A. DIRECT FROM THE GOVERNMENT						
1. U.S. Government Printing Office (GPO)						
By mail/telephone order	16.0	24.4	31.4	18.5	7.3	2.5
From GPO bookstore	2.8	9.0	25.8	22.4	35.6	4.5
From a GPO depository library government documents collection	70.0	11.8	10.4	4.8	1.4	1.7
2. National Technical Information Service (NTIS)	8.1	12.0	24.9	27.7	25.2	2.0
3. Consumer Information Center (Pueblo, CO)	1.4	9.0	28.9	24.1	35.0	1.7
4. Individual federal agencies (e.g., Census Bureau, Department of Labor, etc.)	16.2	19.9	29.4	21.6	11.8	1.1
5. Office of U.S. Senator or Representative	4.2	12.3	36.7	31.9	13.4	1.4
6. Congressional Committee	5.0	6.7	15.4	32.2	38.7	2.0
7. Congressional agency (Library of Congress, General Accounting Office, Office of Technology Assessment, Congressional Budget Office, Congressional Research Service)	12.6	12.6	28.0	26.1	19.0	1.7
8. State or local government agency	19.6	29.4	30.8	13.7	4.8	1.7

APPENDIX III

	1	2	3	4	5	No Answer
B. VIA THE MEDIA						
1. Newspaper	42.6	19.9	17.1	11.2	6.7	2.5
2. News magazines	40.6	21.0	15.4	13.4	7.0	2.5
3. Radio/television	17.1	16.0	18.2	23.5	23.2	2.0
4. Trade, professional, or scientific journals	33.9	27.2	18.5	12.0	6.2	2.2
5. Newsletters	18.5	22.7	25.8	17.4	13.4	2.2
C. FROM COMMERCIAL SOURCES/VENDORS						
1. Commercial bookstore	5.9	5.6	12.0	30.5	43.1	2.8
2. Mail/telephone order company or direct from publisher	13.2	14.6	20.4	27.5	21.8	2.5
3. Electronic on-line database vendor	21.3	20.7	15.1	10.4	30.0	2.5
4. Information broker (documents retrieval company or specialist)	3.4	3.9	6.7	13.4	69.5	3.3
D. FROM OTHER LIBRARIES (e.g., through inter-library loans)						
1. Local public library	10.4	7.6	19.0	21.3	37.3	4.2
2. Local school (Grade 1-12) library		0.3	0.8	5.9	91.0	2.0
3. College/university library	20.4	29.1	34.7	10.9	3.1	1.7
4. Organization/corporate library or information center	2.8	6.7	21.8	26.6	39.5	2.5
5. Federal agency library	2.8	9.0	22.7	28.9	34.2	2.5
6. State agency library	6.4	10.6	29.7	25.2	25.2	2.8
7. State government library	10.4	16.5	29.1	26.3	14.6	3.1

6. For the following types of federal information that your library currently obtains, whether from federal or non-federal sources, which format(s) do you use? (CHECK AS MANY BOXES IN EACH ROW AS APPLY. IF YOU DO NOT USE THIS TYPE OF FEDERAL INFORMATION, CHECK COLUMN (a) FOR THAT ROW.)

Selective Depository Libraries
N=357

TYPES OF FEDERAL INFORMATION	(a) DO NOT USE THIS TYPE OF FEDERAL INFORMATION	(b) PAPER	(c) MICROFILM	(d) MICROFICHE	(e) ELECTRONIC MAIL OR BULLETIN BOARD	(f) ON-LINE DATA BASE	(g) MAGNETIC TAPE/DISK	(h) FLOPPY DISK OR DISKETTE	(i) VIDEODISK	(j) COMPACT OPTICAL DISK	(k) FILM	(l) VIDEOTAPE	NO RESPONSE
	FORMATS CURRENTLY USED												
1. Congressional record/ hearings/reports/bills	2.0	84.6	14.8	84.6		17.1				0.6		0.3	0.3
2. Laws/statutes	1.1	96.1	4.8	33.3		16.5						0.6	0.6
3. Scientific and technical reports/information	12.6	76.5	5.6	64.4	0.3	23.8		0.3		1.1		0.8	1.7
4. Consumer pamphlets/ reports	5.6	90.5	1.1	14.3		1.1		0.3		0.3			2.5
5. Press releases/bulletins	18.8	76.2	0.8	11.2	2.5	6.7	0.3			0.3			3.6
6. Catalogs/abstracts/ bibliographies/indices	1.7	96.9	12.3	58.5	0.6	33.6	0.6	1.4	0.8	6.2	0.3		1.1
7. Agency operational manuals	33.3	61.1	0.6	27.2		2.0							4.5
8. Agency contractual specifications/documents	50.4	41.7	1.7	21.6		2.0					0.3		4.2
9. Agency program/ project reports	18.5	75.6	2.2	50.1		3.6						0.3	2.8
10. Agency decisions/ administrative opinions	21.0	75.1	1.1	43.4		11.2							3.4
11. Agency rules/ regulations/directives	12.3	82.4	4.5	44.5		11.2				0.3			3.4
12. Maps, charts, photos	14.6	83.8	2.0	18.8		0.6	0.3	0.3		0.3		0.3	1.7
13. Computer models/ programs	68.1	19.0	0.3	7.0	0.3	1.4	1.1	3.9		0.3	0.3	0.3	8.4
14. Statistical data	1.4	97.2	10.6	71.4	2.5	29.1	2.5	3.6	0.3	3.6		0.6	0.6
15. Satellite imagery/data	65.0	25.8	0.3	5.9			0.6		0.3		0.3	0.3	8.1
16 Other (Specify) _____		3.4	0.6	3.1		0.8	0.3	0.3		0.3			

APPENDIX III

7. For the following types of federal information that your library would like to obtain in the next 3 years, whether from federal or non-federal sources, which formats would you desire? (CHECK AS MANY BOXES IN EACH ROW AS APPLY. IF YOU ARE NOT LIKELY TO USE THIS TYPE OF FEDERAL INFORMATION, CHECK COLUMN (a) FOR THAT ROW.)

Selective Depository Libraries
N=357

FORMATS DESIRED FOR USE IN THE NEXT 3 YEARS

TYPES OF FEDERAL INFORMATION	(a) DO NOT USE THIS TYPE OF FEDERAL INFORMATION	(b) PAPER	(c) MICROFILM	(d) MICROFICHE	(e) ELECTRONIC MAIL OR BULLETIN BOARD	(f) ON-LINE DATA BASE	(g) MAGNETIC TAPE/DISK	(h) FLOPPY DISK OR DISKETTE	(i) VIDEODISK	(j) COMPACT OPTICAL DISK	(k) FILM	(l) VIDEOTAPE	NO RESPONSE
1. Congressional record/ hearings/reports/bills	1.4	73.4	6.4	69.5	3.6	40.3	0.3	8.7	1.4	31.4		0.8	1.1
2. Laws/statutes	1.4	87.1	2.0	31.9	3.1	37.0		8.1	1.1	28.3		0.3	2.5
3. Scientific and technical reports/information	12.3	55.5	2.8	48.2	1.7	28.9		7.6	1.1	20.2		0.6	4.5
4. Consumer pamphlets/ reports	8.4	82.4	0.6	7.8	2.2	6.4		2.0	0.3	4.2		1.7	4.2
5. Press releases/bulletins	23.8	56.3	1.1	8.7	14.6	14.8		0.8	0.3	3.9		0.8	7.0
6. Catalogs/abstracts/ bibliographies/indices	2.5	83.5	2.8	30.3	3.1	43.7	1.4	10.4	3.1	37.8		0.3	2.2
7. Agency operational manuals	38.1	39.8	0.8	25.2		6.2		1.7	0.6	7.8			5.6
8. Agency contractual specifications/documents	47.3	31.4	0.6	23.5	0.8	10.9		3.4	1.1	10.4			4.5
9. Agency program/ project reports	20.2	58.0	1.7	42.0	0.8	11.8		2.5	0.6	10.6		1.1	5.9
10. Agency decisions/ administrative opinions	19.9	54.6	1.4	38.4	3.9	23.2	0.3	3.9	0.6	17.9		0.6	5.6
11. Agency rules/ regulations/directives	13.7	63.3	1.1	33.6	2.8	26.3	0.3	3.6	1.1	18.8		0.3	5.0
12. Maps, charts, photos	16.5	77.3	0.6	6.2	0.6	3.4	0.8	2.2	4.2	10.6		1.1	3.6
13. Computer models/ programs	49.9	19.3	0.3	6.2	1.4	8.1	3.6	17.4	0.8	9.5			10.1
14. Statistical data	2.0	84.6	2.8	41.2	7.6	45.9	5.9	19.0	2.8	38.7		0.3	2.0
15. Satellite imagery/data	56.3	23.0	0.3	2.8		5.3	1.7	3.4	3.4	8.1		2.0	12.3
16. Other (Specify) _____		3.1	0.3	1.1	0.3	1.4	0.6	0.6	0.3	1.1	0.3	0.3	

APPENDIX III

APPENDIX III

8. This question deals with four possible problems that your library may encounter when obtaining and using federal information in PAPER FORMAT, either (A) directly from federal sources, or (B) indirectly from non-federal sources. How much of a problem, if any, are these four factors for your library as a user of federal information in paper format for the following types of publications from these sources?

RESPONSE SCALE

1 = A very great problem
2 = A great problem
3 = A moderate problem
4 = Some problem
5 = Little or no problem
6 = Do not use this document in paper format from this source

SOURCE CODE

(A) Directly from federal sources
(B) Indirectly from non-federal sources

TYPES OF PUBLICATIONS/PROBLEMS

		Response frequencies						
	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL RECORD								
1. Ability to locate Congressional Record volume	(A)	3.6	1.4	9.5	12.0	57.4	12.6	3.4
	(B)	2.0		1.1	2.2	7.8	46.8	40.1
2. Monetary cost of obtaining the information	(A)	1.4	1.1	2.8	3.1	74.5	12.0	5.0
	(B)	5.9	1.1	2.5	1.7	4.2	45.1	39.5
3. Timeliness of the information when received	(A)	3.6	6.7	16.2	19.6	38.7	11.5	3.6
	(B)	1.7	1.4	2.2	4.2	4.2	45.9	40.3
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.5	3.4	14.6	18.5	46.2	11.5	3.4
	(B)	1.4	0.8	1.4	3.9	5.9	45.9	40.6

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	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL COMMITTEE REPORTS								
1. Ability to locate congressional committee reports	(A)	2.0	5.9	17.6	17.6	29.4	21.6	5.9
	(B)	2.0	0.6	1.4	6.4	10.6	41.2	37.8
2. Monetary cost of obtaining the information	(A)	1.7	1.7	4.2	5.3	59.9	19.9	7.3
	(B)	6.2	3.9	4.8	2.5	4.8	40.6	37.3
3. Timeliness of the information when received	(A)	4.2	5.6	21.0	18.8	24.1	20.2	6.2
	(B)	2.5	0.8	4.5	7.3	6.4	40.3	38.1
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.5	2.5	10.1	16.5	42.6	20.2	5.6
	(B)	2.0	0.6	2.2	5.0	11.5	40.3	38.4
FEDERAL REGISTER								
1. Ability to locate Federal Register volume	(A)	2.8	1.1	9.0	11.8	58.8	12.9	3.6
	(B)	1.7	0.3	1.7	2.8	8.4	44.8	40.3
2. Monetary cost of obtaining the information	(A)	0.8	0.8	2.2	4.2	72.3	12.9	6.7
	(B)	5.9	2.8	2.5	2.0	3.6	43.7	39.5
3. Timeliness of the information when received	(A)	1.7	2.2	7.8	18.8	52.1	12.6	4.8
	(B)	1.4	1.1	2.0	4.2	7.0	43.7	40.6
4. Ability to use the information (e.g., access, format, etc.)	(A)	3.6	3.1	12.9	16.2	46.5	12.3	5.3
	(B)	1.1	0.8	2.8	3.4	7.6	43.7	40.6
CONSUMER PAMPHLETS/REPORTS								
1. Ability to locate consumer pamphlets/reports	(A)	2.0	4.5	14.0	21.0	44.5	8.1	5.9
	(B)	0.8	1.7	2.2	3.4	8.4	43.4	40.1
2. Monetary cost of obtaining the information	(A)	0.8	0.6	3.1	6.7	73.1	8.1	7.6
	(B)	3.6	1.4	2.5	2.5	7.3	42.9	39.8
3. Timeliness of the information when received	(A)	0.8	1.7	9.0	21.8	52.4	8.1	6.2
	(B)	1.4	0.8	1.4	4.5	8.4	42.9	40.6
4. Ability to use the information (e.g., access, format, etc.)	(A)	0.6	1.4	5.9	9.5	68.1	8.1	6.4
	(B)	0.8	0.6	1.7	2.2	11.2	42.9	40.6

APPENDIX III

	Source	1	2	3	4	5	6	No Answer
SCIENTIFIC/TECHNICAL REPORTS								
1. Ability to locate scientific/technical reports	(A)	4.2	7.6	22.7	21.0	21.3	17.9	5.3
	(B)	3.9	2.8	3.4	4.8	5.6	39.8	39.8
2. Monetary cost of obtaining the information	(A)	3.9	6.4	13.7	10.4	41.5	17.9	6.2
	(B)	5.6	3.6	6.2	2.2	2.8	39.5	40.1
3. Timeliness of the information when received	(A)	2.5	3.9	18.5	22.1	29.4	17.9	5.6
	(B)	1.4	1.7	3.6	6.4	6.4	39.5	40.9
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.1	2.8	11.2	20.2	40.3	18.2	6.2
	(B)	1.4	1.1	2.2	4.5	10.6	39.5	40.6
STATISTICAL INFORMATION								
1. Ability to locate statistical documents	(A)	3.1	7.3	23.5	29.7	30.3	2.5	3.6
	(B)	2.5	1.1	5.9	10.1	14.6	30.3	35.6
2. Monetary cost of obtaining the information	(A)	3.4	2.0	9.3	12.3	68.3	2.8	5.9
	(B)	8.4	5.6	8.1	9.5	3.6	29.7	35.0
3. Timeliness of the information when received	(A)	4.5	11.8	25.8	26.1	25.5	2.5	3.9
	(B)	1.4	3.6	9.0	10.9	9.0	30.0	36.1
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.0	4.8	16.5	23.5	46.5	2.5	4.2
	(B)	1.7	1.4	5.9	10.4	16.2	29.7	36.7

APPENDIX III

9. This question deals with four possible problems that your library may encounter when obtaining and using federal information from ON-LINE DATA BASES, either (A) directly from federal sources, or (B) indirectly from non-federal sources. How much of a problem, if any, are these four factors for your library as a user of federal information from on-line data bases for the following types of publications from these sources?

RESPONSE SCALE

1 = A very great problem
2 = A great problem
3 = A moderate problem
4 = Some problem
5 = Little or no problem
6 = Do not use this document from on-line data bases from this source

SOURCE CODE

(A) Directly from federal sources
(B) Indirectly from non-federal sources

TYPES OF PUBLICATIONS/PROBLEMS

		Response frequencies						
	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL RECORD								
1. Ability to locate Congressional Record volume	(A)	0.3	0.6	1.4	1.4	8.4	78.4	9.5
	(B)	1.1	0.8	2.5	3.4	14.0	49.3	28.9
2. Monetary cost of obtaining the information	(A)	3.1	0.6	1.7	3.1	4.2	77.6	9.8
	(B)	7.3	5.0	5.9	2.8	3.4	47.1	28.6
3. Timeliness of the information when received	(A)	0.6	0.3	0.8	2.2	8.1	78.4	9.5
	(B)	0.6		2.0	4.8	15.4	48.2	29.1
4. Ability to use the information (e.g., access, format, etc.)	(A)	0.8	0.3	0.6	3.1	7.3	78.4	9.5
	(B)	0.8		1.7	5.6	14.6	48.2	29.1

APPENDIX III

	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL COMMITTEE REPORTS								
1. Ability to locate congressional committee reports	(A)	0.6		2.0	2.8	8.1	76.8	9.8
	(B)	0.6	1.7	3.9	3.9	12.0	49.6	28.3
2. Monetary cost of obtaining the information	(A)	3.9	0.3	1.4	2.8	5.0	75.9	10.6
	(B)	7.0	4.5	7.6	2.8	2.5	47.9	27.7
3. Timeliness of the information when received	(A)	0.3	0.6	1.1	4.8	6.7	76.5	10.1
	(B)	0.6	0.6	2.8	5.6	12.9	48.7	28.9
4. Ability to use the information (e.g., access, format, etc.)	(A)	0.3	0.6	1.1	3.4	8.1	76.5	10.1
	(B)	1.1	0.8	2.5	4.5	13.7	48.5	28.9
FEDERAL REGISTER								
1. Ability to locate Federal Register volume	(A)	0.6		1.4	1.7	9.0	78.2	9.2
	(B)	0.6	0.6	4.2	3.9	18.2	43.7	28.9
2. Monetary cost of obtaining the information	(A)	3.4	0.6	1.7	2.2	5.6	76.8	9.8
	(B)	7.6	4.8	8.1	4.2	5.0	42.3	28.0
3. Timeliness of the information when received	(A)	0.6	0.6	0.6	3.1	8.7	77.3	9.2
	(B)	0.8	0.3	1.7	5.9	19.0	43.4	28.9
4. Ability to use the information (e.g., access, format, etc.)	(A)	0.8		2.2	2.8	7.3	77.6	9.2
	(B)	1.1		3.9	5.6	17.4	43.1	28.9
CONSUMER PAMPHLETS/REPORTS								
1. Ability to locate consumer pamphlets/reports	(A)	0.6		2.0	3.6	5.3	79.0	9.5
	(B)	0.6	0.8	3.1	3.6	6.2	56.3	29.4
2. Monetary cost of obtaining the information	(A)	3.1		1.1	3.1	4.5	78.4	9.8
	(B)	5.6	2.0	3.4	2.0	2.8	55.5	28.9
3. Timeliness of the information when received	(A)	0.3	0.3	1.1	3.6	6.4	78.7	9.5
	(B)	0.3	0.3	2.5	4.2	7.6	55.7	29.4
4. Ability to use the information (e.g., access, format, etc.)	(A)	0.3	1.1	0.6	3.1	6.7	78.7	9.5
	(B)	0.8	0.6	2.2	2.2	9.0	55.7	29.4

APPENDIX III

	Source	1	2	3	4	5	6	No Answer
SCIENTIFIC/TECHNICAL REPORTS								
1. Ability to locate scientific/technical reports	(A)		1.1	6.2	5.6	7.8	68.9	10.4
	(B)	0.8	3.6	7.6	7.0	13.4	38.4	29.1
2. Monetary cost of obtaining the information	(A)	3.6	1.1	6.2	5.0	4.5	68.3	11.2
	(B)	9.5	9.2	10.4	3.4	2.5	37.3	27.7
3. Timeliness of the information when received	(A)	0.6	0.3	2.5	7.0	10.4	68.6	10.6
	(B)	0.3	0.3	5.9	8.4	18.2	37.8	29.1
4. Ability to use the information (e.g., access, format, etc.)	(A)	0.6	1.4	2.2	7.3	9.2	68.9	10.4
	(B)	0.3	2.2	5.9	8.7	15.7	37.8	29.4
STATISTICAL INFORMATION								
1. Ability to locate statistical documents	(A)	0.8	1.1	4.5	6.7	7.8	68.6	10.4
	(B)	0.8	3.1	7.0	12.6	12.9	35.9	27.7
2. Monetary cost of obtaining the information	(A)	3.9	2.0	3.4	5.0	7.0	67.8	10.9
	(B)	11.5	7.8	11.2	4.8	3.1	34.7	26.9
3. Timeliness of the information when received	(A)	0.8	1.1	2.2	6.2	10.9	68.1	10.6
	(B)	0.3	2.5	5.3	11.5	17.1	35.3	28.0
4. Ability to use the information (e.g., access, format, etc.)	(A)	0.6	2.0	1.4	6.7	10.6	68.1	10.6
	(B)	0.8	2.2	6.7	10.9	16.2	35.0	28.0

APPENDIX III

10. To which of the following types of equipment does your library have access? (Check all that apply.)

1. [70.0] Microcomputer (PC) without modem
2. [82.4] Microcomputer (PC) with modem for on-line access
3. [88.0] Microfiche reader without printer
4. [95.0] Microfiche reader with printer
5. [38.4] CD-ROM (Compact disk/random access memory reader)
6. [17.1] Videodisk player
7. [33.9] Mainframe computer (for magnetic tape/disk access)

11. Whether or not your library currently has the necessary equipment, how useful or not would the following on-line (i.e., immediate access) electronic information services be to your library? (Check one box in each row.)

(Note: Such on-line services might be provided by the federal government, commercial vendors, or not-for-profit organizations.)

	Greatly useful	Useful	Moderately useful	Somewhat useful	Of little or no use	No Answer
ON-LINE (IMMEDIATE ACCESS) ELECTRONIC INFORMATION SERVICES						
1. Congressional Record	30.5	24.4	19.0	16.2	9.2	0.6
2. Committee Calendar and Bill Status	37.3	18.2	12.9	17.6	13.7	0.3
3. Federal Register	46.2	23.5	13.2	11.8	5.3	
4. Federal agency press releases	12.6	12.6	17.1	23.0	33.6	1.1
5. Agency reports	11.8	24.4	22.7	26.1	14.6	0.6
6. Comprehensive index to federal information (All types/formats in Q.6)	70.3	16.5	5.3	5.6	2.0	0.3
7. Integrated database of key federal statistical series (e.g., statistics on energy, environment, agriculture, population)	65.0	17.4	6.7	7.8	2.8	0.3

APPENDIX III

12. Whether or not your library currently has the necessary equipment, how useful or not would the following off-line (CD-ROM issued monthly) electronic information services be to your library? (Check one box in each row.)

(Note: Such off-line services might be provided by the federal government, commercial vendors, or not-for-profit organizations.)

	Greatly useful	Useful	Moderately useful	Somewhat useful	Of little or no use	No Answer
OFF-LINE ELECTRONIC INFORMATION SERVICES (CD-ROM ISSUED MONTHLY)						
1. Congressional Record	26.6	28.9	16.0	18.2	10.1	0.3
2. Committee Calendar and Bill Status	22.4	18.5	15.4	21.6	21.6	0.8
3. Federal Register	31.1	29.4	16.5	12.0	10.6	0.3
4. Federal agency press releases	8.7	10.6	15.7	22.4	42.0	0.6
5. Agency reports	15.4	21.8	21.0	22.4	17.4	2.0
6. Comprehensive index to federal information (All types/formats in Q.6)	58.0	22.7	7.3	7.6	3.9	0.6
7. Integrated database of key federal statistical series (e.g., statistics on energy, environment, agriculture, population)	56.0	21.8	8.7	8.4	4.5	0.6

APPENDIX III

13. For these ON-LINE (immediate access) information services, assuming that there would be no charge other than the on-line access charge, which of the following charges would be the maximum hourly on-line access charge that your library would be willing to pay? (Check one box for each row.)

(Note: Assume that telecommunications charges are a part of the on-line access charge.)

	TOTAL HOURLY ON-LINE ACCESS CHARGE							
	$1-$9 PER HOUR	$10-$24 PER HOUR	$25-$49 PER HOUR	$50-$99 PER HOUR	$100 OR MORE PER HOUR	DO NOT KNOW	NOT WILLING TO PAY	NO ANSWER
ON-LINE ELECTRONIC INFORMATION SERVICES								
1. Congressional Record	27.5	22.7	13.4	4.2	0.3	29.7	0.8	1.4
2. Committee Calendar and Bill Status	30.8	18.5	12.0	5.6	0.6	31.7	0.8	2.8
3. Federal Register	25.8	20.7	17.4	4.8	0.6	28.3	1.1	1.4
4. Federal agency press releases	39.5	10.9	5.0	1.4		39.2	1.4	2.5
5. Agency reports	32.8	17.9	6.4	3.1		36.1	1.1	2.5
6. Comprehensive index to federal information	22.4	22.7	16.5	8.1	1.7	26.6	0.8	1.1
7. Integrated database of key statistical series	23.5	19.3	16.0	9.5	1.1	28.6	0.8	1.1

APPENDIX III

14. For these OFF-LINE (CD-ROM) information services, assuming that there would be no charge other than the purchase price of the CD-ROM, which of the following prices would be the maximum price that your library would be willing to pay for these information services issued monthly? (Check one box for each row.)

	PURCHASE PRICE FOR CD-ROM ISSUED MONTHLY								
	$1-19 PER CD-ROM	$20-49 PER CD-ROM	$50-199 PER CD-ROM	$200-499 PER CD-ROM	$500-999 PER CD-ROM	$1,000 OR MORE PER CD-ROM	DO NOT KNOW	NOT WILLING TO PAY	NO ANSWER
OFF-LINE ELECTRONIC INFORMATION SERVICES (INCLUDES ALL OUTPUT FOR THAT MONTH)									
1. Congressional Record	33.3	19.9	6.2	1.7	0.3	0.3	34.2	1.7	2.5
2. Committee Calendar and Bill Status	39.5	11.5	3.9	1.1	0.3	0.3	38.4	1.7	3.4
3. Federal Register	33.3	19.9	6.7	1.7	0.6	0.3	33.1	2.0	2.5
4. Federal agency press releases	40.1	6.4	1.7	0.6			44.3	2.2	4.8
5. Agency reports	37.0	12.6	3.1	0.8	0.3	0.3	40.3	2.0	3.6
6. Comprehensive index to federal information	25.2	23.8	15.4	2.8	0.8	1.1	27.7	1.7	1.4
7. Integrated database of key statistical series	24.6	24.1	13.2	3.6	1.1	0.6	29.4	1.7	1.7

GENERAL LIBRARIES - METHODOLOGY AND SURVEY RESULTS

Between March 8, 1988, and May 13, 1988, we did a mail survey of public, college, and corporate libraries.

METHODOLOGY

From the R. R. Bowker Company, which publishes The American Library Directory, we purchased a computer tape containing a systematic sample taken from mailing lists this company maintains from the five categories shown below. JCP and OTA agreed with this approach.

Table IV.1:
Number of General Libraries by Type

Type of library	Number shown in category
Public libraries	8,884
College and university (Main/4 years)	1,887
Junior college libraries	1,179
Corporate business libraries	929
Corporate technical libraries	1,806[a]
Total	14,685

[a]In the Bowker listing, corporate and government technical libraries are shown together and total 1,819. As a result of our interest in nonfederal libraries, we asked that government libraries be deleted from this number. Bowker's List Manager told us that the number of corporate technical libraries is 1,806 and this is the number we used.

We asked that a systematic sample[1] be taken from this list of 14,685 libraries in the various types. As a result, 705 libraries were selected. The list we obtained contained one listing for a federal library and one duplicate entry which we

[1]We randomly selected a starting point in the list of libraries, and then selected libraries at a fixed interval following that for our survey.

deleted. We also deleted the 27 libraries on this list that were included on our list of federal depository libraries since they had already been sent questionnaires. As a result of this process, we reduced the sample to 676 libraries.

After the initial mailing, we sent a follow-up encouraging recipients to participate in our survey.

SURVEY RESULTS

We received information indicating that several libraries would not be completing the questionnaire. Seventeen libraries told us that they did not use federal information. In an additional 18 instances, we could not obtain completed questionnaires for a variety of reasons. Table IV.2 summarizes the reasons. Thus, from our initial sample, 641 could be considered potential respondents, which would be projectable to a universe of 13,352.

Table IV.2:
Reasons Why General Libraries Did Not Complete Questionnaires

Reason for not completing questionnaires	Number of libraries
Does not use federal information	17
Declined to complete questionnaire	7
Not a library	5
Library is defunct, or nearly so	4
Does not obtain federal information directly from the federal government	1
Undeliverable	1
Total	35

We received 436 completed questionnaires from 641 potential respondents for a response rate of 68 percent. Taking the nonrespondent libraries into account, the results of the survey are projectable to an adjusted universe of 9,082 libraries or 68

APPENDIX IV

percent of the total 13,352 libraries. A copy of the questionnaire follows that is annotated to show these libraries' overall responses to each questionnaire item in percentages. The overall survey results are subject to a sampling error of not more than 6 percent at the 95-percent confidence level. Totals may not add to 100 percent due to rounding.

APPENDIX IV

GENERAL LIBRARIES N=436

1. Is your library located in a Standard Metropolitan Statistical Area (SMSA)? (Check one.)

   1. [44.5] Yes (Skip to question 3.)

   2. [54.1] No (Continue with question 2.)

   No response 1.4

2. In which of the following size cities or towns is your library located? (Check one.)

   1. [1.1] Large city (100,000 - 500,000)

   2. [15.8] Small city (10,000 - 99,999)

   3. [25.9] Small town (Population under 10,000)

   4. [10.8] Rural area (Population under 1,000)

   No response 1.6

   Skip 44.7

3. Please indicate the number of people employed by your library system? (Check one.)

   1. [45.9] Less than 5

   2. [24.5] 5 to 14

   3. [9.4] 15 to 24

   4. [8.5] 25 to 49

   5. [9.6] 50 or more

   No response 2.1

APPENDIX IV

4. Which of the following topics describe the general subject matter of federal information that your library currently uses or has used during the past 12 months? (Check all that apply.)

1. [27.1] Aerospace/aviation
2. [41.5] Agriculture
3. [19.0] Arts
4. [35.8] Business management
5. [23.4] Banking and securities
6. [28.4] Child care
7. [39.0] Colleges/universities
8. [59.2] Consumer information/ product safety
9. [20.0] Corrections/ penal systems
10. [61.5] Demographics/vital statistics/ census information
11. [37.8] Economics
12. [45.6] Education
13. [27.8] Elections
14. [41.7] Energy
15. [45.9] Environment
16. [31.7] Foreign affairs
17. [23.9] Gardening/home repairs
18. [20.0] Geology
19. [42.9] Government organization
20. [44.7] Health/nutrition
21. [27.1] History
22. [15.8] Insurance
23. [20.9] Investments
24. [28.7] Labor issues
25. [22.9] Law enforcement
26. [47.5] Laws/regulations
27. [26.1] Mental health
28. [26.1] Military
29. [25.7] Natural resources/mining
30. [35.6] Patents/trademarks/ copyrights
31. [20.2] Personnel issues
32. [18.1] Public administration
33. [32.1] Recreation/tourism
34. [36.9] Retirement/aging issues
35. [33.7] Science
36. [29.1] Social programs
37. [58.9] Taxes
38. [30.5] Technology
39. [20.0] Telecommunications
40. [23.9] Trade
41. [22.0] Transportation
42. [12.2] Other (Specify)
43. [4.4] Other (Specify)

5. How often or rarely does your library use the following sources of federal information?

RESPONSE SCALE

1 = VERY OFTEN (At least once a week)
2 = OFTEN (At least once a month)
3 = OCCASIONALLY (At least once in the last 6 months)
4 = RARELY (At least once in the past 12 months)
5 = NEVER

FEDERAL INFORMATION SOURCE	FREQUENCY OF USE					
	1	2	3	4	5	No Answer
A. DIRECT FROM THE GOVERNMENT						
1. U.S. Government Printing Office (GPO)						
By mail/telephone order	3.2	19.3	28.9	18.6	26.8	3.2
From GPO bookstore	1.1	6.4	16.7	19.7	49.3	6.7
From a GPO depository library government documents collection	11.2	8.7	17.2	17.7	38.5	6.7
2. National Technical Information Service (NTIS)	4.6	8.9	11.2	14.9	55.3	5.0
3. Consumer Information Center (Pueblo, CO)	3.2	9.9	28.0	21.8	32.8	4.4
4. Individual federal agencies (e.g., Census Bureau, Department of Labor, etc.)	6.2	14.9	31.4	21.6	21.3	4.6
5. Office of U.S. Senator or Representative	1.6	8.7	27.8	28.7	28.4	4.8
6. Congressional Committee	1.4	3.0	9.2	20.9	59.2	6.4
7. Congressional agency (Library of Congress, General Accounting Office, Office of Technology Assessment, Congressional Budget Office, Congressional Research Service)	3.7	9.9	17.9	24.5	38.3	5.7
8. State or local government agency	10.1	23.6	29.1	20.9	11.7	4.6

APPENDIX IV

	1	2	3	4	5	No Answer
B. VIA THE MEDIA						
1. Newspaper	34.2	19.7	18.1	12.4	11.0	4.6
2. News magazines	34.6	19.7	17.7	11.7	11.2	5.0
3. Radio/television	11.7	11.0	18.1	19.5	32.6	7.1
4. Trade, professional, or scientific journals	24.1	20.2	20.2	15.8	14.9	4.8
5. Newsletters	14.2	19.3	22.7	21.8	16.3	5.7
C. FROM COMMERCIAL SOURCES/VENDORS						
1. Commercial bookstore	3.7	6.7	20.0	25.9	39.9	6.0
2. Mail/telephone order company or direct from publisher	10.6	16.3	22.0	21.8	24.3	5.0
3. Electronic on-line database vendor	11.2	8.9	9.2	7.6	58.0	5.0
4. Information broker (documents retrieval company or specialist)	3.4	4.6	8.0	9.6	69.3	5.0
D. FROM OTHER LIBRARIES (e.g., through inter-library loans)						
1. Local public library	14.4	12.2	22.7	18.6	26.8	5.3
2. Local school (Grade 1-12) library	0.9	1.8	3.4	11.0	76.8	6.0
3. College/university library	13.1	16.7	28.4	21.1	16.3	4.4
4. Organization/corporate library or information center	4.6	8.5	14.4	19.7	47.7	5.0
5. Federal agency library	1.8	3.9	11.9	20.2	56.9	5.3
6. State agency library	6.7	7.8	17.7	24.1	38.8	5.0
7. State government library	4.6	9.2	20.0	19.3	41.5	5.5

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6. For the following types of federal information that your library currently obtains, whether from federal or non-federal sources, which format(s) do you use? (CHECK AS MANY BOXES IN EACH ROW AS APPLY. IF YOU DO NOT USE THIS TYPE OF FEDERAL INFORMATION, CHECK COLUMN (a) FOR THAT ROW.)

General Libraries N=436

TYPES OF FEDERAL INFORMATION	(a) DO NOT USE THIS TYPE OF FEDERAL INFORMATION	(b) PAPER	(c) MICROFILM	(d) MICROFICHE	(e) ELECTRONIC MAIL OR BULLETIN BOARD	(f) ON-LINE DATA BASE	(g) MAGNETIC TAPE/DISK	(h) FLOPPY DISK OR DISKETTE	(i) VIDEODISK	(j) COMPACT OPTICAL DISK	(k) FILM	(l) VIDEOTAPE	NO RESPONSE
1. Congressional record/ hearings/reports/bills	43.6	49.1	3.7	15.6		6.2							3.7
2. Laws/statutes	32.3	61.5	1.1	4.8		5.0							4.6
3. Scientific and technical reports/information	39.4	52.5	4.4	16.3	0.5	13.1		0.2		0.2	0.2	0.2	4.8
4. Consumer pamphlets/ reports	21.1	75.5	1.1	2.8		1.4		0.2			0.2	0.2	3.2
5. Press releases/bulletins	39.2	51.6	0.9	1.4	1.4	7.1							5.3
6. Catalogs/abstracts/ bibliographies/indices	32.6	58.9	3.4	11.2	0.7	17.4	0.2	0.2		1.6			3.7
7. Agency operational manuals	70.6	22.5	0.5	3.0		0.5							6.9
8. Agency contractual specifications/documents	73.4	18.1	0.9	3.2		1.4	0.2	0.2					7.1
9. Agency program/ project reports	57.3	36.7	1.4	7.1	0.2	2.8	0.2	0.2	0.2	0.2	0.5	0.5	5.0
10. Agency decisions/ administrative opinions	64.4	28.4	0.2	5.5		3.7							6.2
11. Agency rules/ regulations/directives	56.4	36.7	1.8	6.9	0.2	3.7	0.2					0.7	5.5
12. Maps, charts, photos	36.2	58.9	0.7	2.8		0.9					0.2	0.2	4.4
13. Computer models/ programs	79.6	8.5		0.7		1.8	1.6	3.0		0.5		0.2	8.0
14. Statistical data	21.3	73.4	4.6	13.3	0.5	14.0	0.9	1.6		0.2	0.2		4.6
15. Satellite imagery/data	83.3	8.3		0.7		0.2					0.2		8.3
16 Other (Specify) _____		1.4	0.7	0.7		0.7	0.2	0.2		0.5		0.9	0.2

APPENDIX IV

7. For the following types of federal information that your library would like to obtain in the next 3 years, whether from federal or non-federal sources, which formats would you desire? (CHECK AS MANY BOXES IN EACH ROW AS APPLY. IF YOU ARE NOT LIKELY TO USE THIS TYPE OF FEDERAL INFORMATION, CHECK COLUMN (a) FOR THAT ROW.)

General Libraries N=436

TYPES OF FEDERAL INFORMATION	DO NOT USE THIS TYPE OF FEDERAL INFORMATION (a)	PAPER (b)	MICROFILM (c)	MICROFICHE (d)	ELECTRONIC MAIL OR BULLETIN BOARD (e)	ON-LINE DATA BASE (f)	MAGNETIC TAPE/DISK (g)	FLOPPY DISK OR DISKETTE (h)	VIDEODISK (i)	COMPACT OPTICAL DISK (j)	FILM (k)	VIDEOTAPE (l)	NO RESPONSE
	FORMATS DESIRED FOR USE IN THE NEXT 3 YEARS												
1. Congressional record/ hearings/reports/bills	33.3	45.0	4.6	21.1	1.6	16.7	0.2	3.9	0.2	9.6	0.2	2.3	6.9
2. Laws/statutes	22.9	54.1	4.4	16.1	1.6	15.8	0.2	5.5	0.5	9.4	0.5	1.6	7.6
3. Scientific and technical reports/information	28.7	51.4	3.0	20.0	1.8	19.5	0.5	3.9	0.5	10.8	0.5	1.4	6.9
4. Consumer pamphlets/ reports	16.1	70.6	0.5	7.3	1.8	7.8		2.1		2.3	0.2	3.0	7.8
5. Press releases/bulletins	36.0	47.5	0.9	5.3	5.0	11.9		1.1		2.5	0.2	1.4	8.5
6. Catalogs/abstracts/ bibliographies/indices	27.8	60.2	2.3	15.4	1.1	23.4	0.5	4.8		15.4	0.2	1.4	7.3
7 Agency operational manuals	65.4	19.3	0.9	5.7	0.2	4.8		1.6		2.3	0.2	0.9	10.1
8. Agency contractual specifications/documents	64.2	17.7	1.1	6.7	0.7	6.7	0.2	2.1		2.8		0.7	10.1
9. Agency program/ project reports	49.3	32.6	1.4	9.9	0.9	9.2		2.1		4.4	0.5	1.4	9.4
10. Agency decisions/ administrative opinions	56.2	26.8	0.9	7.8	1.6	11.0		2.3		4.6		0.9	8.9
11. Agency rules/ regulations/directives	49.1	32.3	1.1	9.6	1.4	12.8		2.5		5.5	0.2	1.6	9.4
12. Maps, charts, photos	24.8	62.4	1.1	5.3	0.5	3.7	1.1	2.3	1.6	6.2	1.8	2.3	6.4
13. Computer models/ programs	62.2	12.6	0.2	2.5	1.1	6.0	2.1	11.2	0.5	3.9	0.2	1.4	11.0
14. Statistical data	19.3	62.4	6.0	21.6	2.5	26.4	2.1	9.6	0.7	15.1	0.2	1.4	7.3
15. Satellite imagery/data	72.7	11.0		1.8	0.5	2.5	1.1	1.4	0.7	2.8	0.5	1.1	12.4
16. Other (Specify) _____		1.1	0.9	0.5	0.2	0.9	0.2	0.5	0.2	0.7		0.2	0.5

APPENDIX IV

APPENDIX IV

8. This question deals with four possible problems that your library may encounter when obtaining and using federal information in PAPER FORMAT, either (A) directly from federal sources, or (B) indirectly from non-federal sources. How much of a problem, if any, are these four factors for your library as a user of federal information in paper format for the following types of publications from these sources?

RESPONSE SCALE

1 = A very great problem
2 = A great problem
3 = A moderate problem
4 = Some problem
5 = Little or no problem
6 = Do not use this document in paper format from this source

SOURCE CODE

(A) Directly from federal sources
(B) Indirectly from non-federal sources

TYPES OF PUBLICATIONS/PROBLEMS

		Response frequencies						
	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL RECORD								
1. Ability to locate Congressional Record volume	(A)	3.2	3.4	8.9	6.0	20.4	44.0	14.0
	(B)	0.9	1.4	5.5	3.2	14.4	40.1	34.4
2. Monetary cost of obtaining the information	(A)	10.1	2.8	5.7	3.4	23.2	41.1	13.8
	(B)	6.0	1.6	4.4	3.2	11.9	39.0	33.9
3. Timeliness of the information when received	(A)	3.4	2.8	9.9	8.0	19.0	42.2	14.7
	(B)	1.4	1.6	5.0	5.3	12.4	39.9	34.4
4. Ability to use the information (e.g., access, format, etc.)	(A)	4.1	1.6	8.7	7.8	20.9	42.7	14.2
	(B)	0.9	0.9	4.6	4.1	14.9	39.4	35.1

APPENDIX IV

	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL COMMITTEE REPORTS								
1. Ability to locate congressional committee reports	(A)	3.9	4.6	8.0	6.9	10.8	51.1	14.7
	(B)	2.3	1.8	5.3	3.2	8.0	42.2	37.2
2. Monetary cost of obtaining the information	(A)	6.2	3.2	4.8	3.0	18.1	49.8	14.9
	(B)	4.1	2.1	4.4	2.5	9.4	41.3	36.2
3. Timeliness of the information when received	(A)	2.5	3.4	8.7	10.3	9.4	50.0	15.6
	(B)	0.9	2.5	4.6	4.8	8.0	41.7	37.4
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.8	1.6	5.5	5.0	19.0	50.2	15.8
	(B)	0.5	1.4	3.4	2.8	13.1	41.5	37.4
FEDERAL REGISTER								
1. Ability to locate Federal Register volume	(A)	3.2	4.4	3.7	6.7	22.0	46.3	13.8
	(B)	0.9	1.8	3.4	3.9	10.6	40.4	39.0
2. Monetary cost of obtaining the information	(A)	6.0	2.8	4.8	4.6	22.5	45.4	14.0
	(B)	4.1	2.8	2.5	3.0	11.2	38.8	37.6
3. Timeliness of the information when received	(A)	1.6	2.1	6.7	10.1	18.3	46.1	15.1
	(B)	0.9	0.9	5.0	5.5	8.9	39.7	39.0
4. Ability to use the information (e.g., access, format, etc.)	(A)	3.0	2.5	6.4	8.3	18.8	46.1	14.9
	(B)	0.9	0.9	3.4	4.1	12.2	39.4	39.0
CONSUMER PAMPHLETS/REPORTS								
1. Ability to locate consumer pamphlets/reports	(A)	2.8	2.8	13.5	11.0	35.6	21.3	13.1
	(B)	2.5	1.8	7.1	4.8	12.8	32.3	38.5
2. Monetary cost of obtaining the information	(A)	4.4	1.8	5.5	6.0	46.8	22.0	13.5
	(B)	4.1	2.1	5.3	3.4	15.4	31.4	38.3
3. Timeliness of the information when received	(A)	1.6	1.1	7.8	12.2	41.1	22.2	14.0
	(B)	1.1	1.6	5.7	6.2	13.5	31.9	39.9
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.3	0.7	4.6	7.1	48.6	22.2	14.4
	(B)	1.1	1.1	3.9	3.9	17.9	31.9	40.1

APPENDIX IV

	Source	1	2	3	4	5	6	No Answer
SCIENTIFIC/TECHNICAL REPORTS								
1. Ability to locate scientific/technical reports	(A)	4.8	6.4	15.6	9.4	12.8	37.2	13.8
	(B)	3.2	3.4	8.7	4.8	8.5	34.2	37.2
2. Monetary cost of obtaining the information	(A)	6.2	5.5	8.9	7.8	21.1	36.2	14.2
	(B)	4.4	4.8	4.6	4.1	11.9	32.8	37.4
3. Timeliness of the information when received	(A)	4.4	2.5	10.3	13.8	17.4	36.5	15.1
	(B)	2.1	2.3	6.0	7.1	10.8	33.0	38.8
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.8	0.9	7.3	8.9	27.8	36.7	15.6
	(B)	1.1	0.7	4.1	4.8	17.4	35.0	38.8
STATISTICAL INFORMATION								
1. Ability to locate statistical documents	(A)	6.2	8.7	16.5	14.4	22.2	19.3	12.6
	(B)	5.5	4.4	11.7	4.6	15.4	22.5	36.0
2. Monetary cost of obtaining the information	(A)	6.4	6.0	11.9	8.9	35.0	19.7	14.0
	(B)	6.0	5.3	8.9	5.7	16.3	22.2	35.6
3. Timeliness of the information when received	(A)	6.7	6.0	17.2	16.7	20.0	19.5	14.0
	(B)	5.0	4.4	10.8	9.4	11.7	22.2	36.5
4. Ability to use the information (e.g., access, format, etc.)	(A)	3.4	2.5	11.0	15.1	34.4	19.5	14.0
	(B)	2.1	2.1	7.1	7.8	22.0	22.2	36.7

APPENDIX IV

9. This question deals with four possible problems that your library may encounter when obtaining and using federal information from ON-LINE DATA BASES, either (A) directly from federal sources, or (B) indirectly from non-federal sources. How much of a problem, if any, are these four factors for your library as a user of federal information from on-line data bases for the following types of publications from these sources?

RESPONSE SCALE

1 = A very great problem
2 = A great problem
3 = A moderate problem
4 = Some problem
5 = Little or no problem
6 = Do not use this document from on-line data bases from this source

SOURCE CODE

(A) Directly from federal sources
(B) Indirectly from non-federal sources

TYPES OF PUBLICATIONS/PROBLEMS

		Response frequencies						
	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL RECORD								
1. Ability to locate	(A)	2.5	0.9	1.1	1.4	2.3	76.6	15.1
Congressional Record volume	(B)	1.4	0.7	1.4	3.0	5.5	57.1	31.0
2. Monetary cost of obtaining	(A)	3.4	1.6	0.9	1.8	1.1	75.9	15.1
the information	(B)	4.1	1.4	1.8	2.3	3.4	56.2	30.7
3. Timeliness of the	(A)	1.4	1.4	1.6	1.8	2.1	76.4	15.4
information when received	(B)	1.4	1.4	1.4	1.8	6.2	56.7	31.2
4. Ability to use the	(A)	2.1	1.6	0.9	1.4	2.5	76.1	15.4
information (e.g., access, format, etc.)	(B)	1.4	0.5	1.4	2.1	6.7	56.9	31.2

	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL COMMITTEE REPORTS								
1. Ability to locate congressional committee reports	(A)	2.8	0.9	0.7	1.8	2.5	76.6	14.7
	(B)	1.6	0.9	0.9	2.5	4.1	57.8	32.1
2. Monetary cost of obtaining the information	(A)	3.4	1.4	0.7	2.1	1.6	75.9	14.9
	(B)	3.7	0.9	1.8	2.8	2.3	56.9	31.7
3. Timeliness of the information when received	(A)	1.6	1.6	1.4	1.4	2.3	76.4	15.4
	(B)	1.8	1.6	1.1	1.6	4.4	57.1	32.3
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.1	1.4	0.9	1.1	3.2	76.1	15.1
	(B)	1.1	0.5	1.8	0.9	6.2	57.1	32.3
FEDERAL REGISTER								
1. Ability to locate Federal Register volume	(A)	2.5	0.9	1.6	1.6	3.4	75.2	14.7
	(B)	1.6	0.7	2.1	3.2	6.9	53.7	31.9
2. Monetary cost of obtaining the information	(A)	3.4	1.1	1.1	1.8	3.2	74.5	14.7
	(B)	3.7	1.4	2.8	2.1	5.7	53.0	31.4
3. Timeliness of the information when received	(A)	1.6	1.6	1.1	2.8	3.0	75.0	14.9
	(B)	2.1	1.1	1.8	2.5	7.1	53.4	31.9
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.1	1.4	1.6	1.4	4.1	74.8	14.7
	(B)	1.6	0.2	1.4	3.7	7.6	53.7	31.9
CONSUMER PAMPHLETS/REPORTS								
1. Ability to locate consumer pamphlets/reports	(A)	2.3	1.1	1.4	1.8	3.0	75.0	15.4
	(B)	2.1	0.7	0.7	1.8	3.4	58.9	32.3
2. Monetary cost of obtaining the information	(A)	3.4	1.1	1.4	0.9	2.5	75.0	15.6
	(B)	3.4	0.2	2.1	1.4	2.8	58.0	32.1
3. Timeliness of the information when received	(A)	1.6	0.9	1.1	1.8	3.2	75.5	15.8
	(B)	1.8		2.1	2.3	3.0	58.3	32.6
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.8	1.4	1.6	1.1	3.4	75.0	15.6
	(B)	1.4	0.5	1.1	1.8	4.6	58.0	32.6

APPENDIX IV

	Source	1	2	3	4	5	6	No Answer
SCIENTIFIC/TECHNICAL REPORTS								
1. Ability to locate scientific/technical reports	(A)	3.4	1.6	2.8	3.7	4.6	69.0	14.9
	(B)	2.5	2.1	5.3	4.6	8.3	47.0	30.3
2. Monetary cost of obtaining the information	(A)	3.2	2.3	3.2	3.4	5.0	68.1	14.7
	(B)	6.2	3.2	4.6	3.7	6.2	46.3	29.8
3. Timeliness of the information when received	(A)	2.8	2.3	3.0	3.9	4.6	68.6	14.9
	(B)	2.8	1.6	4.8	5.3	8.9	46.6	30.0
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.5	1.8	0.9	4.1	7.1	68.6	14.9
	(B)	2.1	1.6	3.0	4.6	11.7	46.8	30.3
STATISTICAL INFORMATION								
1. Ability to locate statistical documents	(A)	4.1	2.1	2.8	2.8	4.1	70.2	14.0
	(B)	3.7	2.8	4.4	4.4	6.2	48.2	30.5
2. Monetary cost of obtaining the information	(A)	3.7	1.8	3.2	3.2	4.8	69.5	13.3
	(B)	5.5	1.8	4.4	4.6	6.2	47.5	30.0
3. Timeliness of the information when received	(A)	3.4	2.3	2.3	3.4	4.6	70.0	14.0
	(B)	3.2	2.1	3.9	5.7	7.1	47.7	30.3
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.5	1.8	2.8	3.0	6.4	69.3	14.2
	(B)	2.1	0.9	3.2	4.1	11.5	47.7	30.5

10. To which of the following types of equipment does your library have access? (Check all that apply.)

1. [42.4] Microcomputer (PC) without modem
2. [55.5] Microcomputer (PC) with modem for on-line access
3. [56.0] Microfiche reader without printer
4. [48.2] Microfiche reader with printer
5. [20.4] CD-ROM (Compact disk/random access memory reader)
6. [7.8] Videodisk player
7. [15.1] Mainframe computer (for magnetic tape/disk access)

No response 2.5

11. Whether or not your library currently has the necessary equipment, how useful or not would the following on-line (i.e., immediate access) electronic information services be to your library? (Check one box in each row.) (Note: Such on-line services might be provided by the federal government, commercial vendors, or not-for-profit organizations.)

	Greatly useful	Useful	Moderately useful	Somewhat useful	Of little or no use	No Answer
ON-LINE (IMMEDIATE ACCESS) ELECTRONIC INFORMATION SERVICES						
1. Congressional Record	10.8	11.9	16.7	16.3	37.8	6.4
2. Committee Calendar and Bill Status	9.2	11.5	12.4	18.3	41.7	6.9
3. Federal Register	16.5	18.1	14.2	16.3	28.7	6.2
4. Federal agency press releases	7.3	11.2	12.4	17.2	44.5	7.3
5. Agency reports	9.2	14.2	15.1	20.0	34.9	6.7
6. Comprehensive index to federal information (All types/formats in Q.6)	35.6	16.3	9.9	11.0	21.3	6.0
7. Integrated database of key federal statistical series (e.g., statistics on energy, environment, agriculture, population)	36.0	18.1	8.0	11.2	20.4	6.2

APPENDIX IV

12. Whether or not your library currently has the necessary equipment, how useful or not would the following off-line (CD-ROM issued monthly) electronic information services be to your library? (Check one box in each row.)

(Note: Such off-line services might be provided by the federal government, commercial vendors, or not-for-profit organizations.)

	Greatly useful	Useful	Moderately useful	Somewhat useful	Of little or no use	No Answer
OFF-LINE ELECTRONIC INFORMATION SERVICES (CD-ROM ISSUED MONTHLY)						
1. Congressional Record	8.0	14.4	11.9	16.7	40.8	8.0
2. Committee Calendar and Bill Status	5.3	10.1	11.5	18.6	45.6	8.9
3. Federal Register	10.6	18.3	14.0	15.1	34.2	7.8
4. Federal agency press releases	3.4	8.0	10.3	19.0	50.5	8.7
5. Agency reports	6.2	11.7	13.3	20.6	40.1	8.0
6. Comprehensive index to federal information (All types/formats in Q.6)	25.2	19.0	9.6	12.2	26.1	7.8
7. Integrated database of key federal statistical series (e.g., statistics on energy, environment, agriculture, population)	27.5	17.4	8.9	14.0	24.8	7.3

APPENDIX IV

13. For these ON-LINE (immediate access) information services, assuming that there would be no charge other than the on-line access charge, which of the following charges would be the maximum hourly on-line access charge that your library would be willing to pay? (Check one box for each row.)

(Note: Assume that telecommunications charges are a part of the on-line access charge.)

	TOTAL HOURLY ON-LINE ACCESS CHARGE							
	$1-$9 PER HOUR	$10-$24 PER HOUR	$25-$49 PER HOUR	$50-$99 PER HOUR	$100 OR MORE PER HOUR	DO NOT KNOW	NOT WILLING TO PAY	NO ANSWER
ON-LINE ELECTRONIC INFORMATION SERVICES								
1. Congressional Record	24.5	7.1	6.2	3.2	0.5	46.8	1.4	10.3
2. Committee Calendar and Bill Status	22.7	8.7	5.0	1.8	0.7	48.2	1.4	11.5
3. Federal Register	22.7	8.5	7.6	4.4	1.4	44.7	1.4	9.4
4. Federal agency press releases	23.4	4.8	5.5	2.1	0.5	50.5	1.4	11.9
5. Agency reports	22.2	6.9	6.9	3.4	1.1	47.5	1.4	10.6
6. Comprehensive index to federal information	20.0	12.8	8.9	6.4	2.1	39.2	1.4	9.2
7. Integrated database of key statistical series	19.0	11.7	10.1	6.4	2.1	39.9	1.4	9.4

APPENDIX IV

14. For these OFF-LINE (CD-ROM) information services, assuming that there would be no charge other than the purchase price of the CD-ROM, which of the following prices would be the maximum price that your library would be willing to pay for these information services issued monthly? (Check one box for each row.)

	PURCHASE PRICE FOR CD-ROM ISSUED MONTHLY								
	$1-19 PER CD-ROM	$20-49 PER CD-ROM	$50-199 PER CD-ROM	$200-499 PER CD-ROM	$500-999 PER CD-ROM	$1,000 OR MORE PER CD-ROM	DO NOT KNOW	NOT WILLING TO PAY	NO ANSWER
OFF-LINE ELECTRONIC INFORMATION SERVICES (INCLUDES ALL OUTPUT FOR THAT MONTH)									
1. Congressional Record	25.7	10.3	1.6	0.2		0.2	50.0	1.6	10.3
2. Committee Calendar and Bill Status	27.5	5.5	1.4	0.2		0.2	52.1	1.8	11.2
3. Federal Register	23.9	11.5	3.9	0.7		0.2	48.4	1.6	9.9
4. Federal agency press releases	26.1	3.9	0.7	0.2		0.2	54.4	1.6	12.8
5. Agency reports	23.2	7.6	2.3	0.7	0.2	0.2	53.4	1.8	10.6
6. Comprehensive index to federal information	22.7	13.5	5.5	3.0	0.7	0.2	43.1	1.6	9.6
7. Integrated database of key statistical series	22.5	12.8	6.9	2.1	0.7	0.5	43.6	1.6	9.4

GENERAL ASSOCIATIONS - METHODOLOGY AND SURVEY RESULTS

Between January 19, 1988, and May 9, 1988, we did a mail survey of a random sample of associations listed in eight sections of the Encyclopedia of Associations[1].

The Encyclopedia lists national, nonprofit associations and is supplemented by listings for other types of organizations. National, nonprofit membership associations represent the largest number of the organizations listed. Nearly 21,000 organizations are listed and divided into 18 categories. In conjunction with JCP and OTA, we decided that eight categories made up the types of associations that should be sampled.

METHODOLOGY

We grouped all associations in the eight categories together for a combined universe of 12,904. Table V.1 shows the types of association by category and the total number of organizations initially included in each category.

[1]Encyclopedia of Associations, Gale Research Company, 22nd ed., 1988.

Table V.1:
Number and Type of Associations

Description	Universe
Trade, business, and commercial organizations	3,927
Agricultural organizations and commodity exchanges	912
Legal, governmental, public administration, and military organizations	711
Educational organizations	1,217
Social welfare organizations	1,641
Health and medical organizations	2,045
Public affairs organizations	2,217
Labor unions, associations, and federations	234
Total	12,904

We randomly selected 350 organizations from this total of 12,904. From this initial sample, we sent questionnaires to associations where an official's name and title were included, the addresses shown were within the United States, and the association did not appear to be affiliated with the federal government. When these criteria were not met, we replaced those initially selected with others also selected at random. As a result, 22 of the 350 random numbers initially selected were replaced. Because of our replacement procedure, the universe of 12,904 was adjusted down to 12,093.

After the initial mailing to increase the response rate, we sent out two follow-ups to obtain the greatest number of responses.

SURVEY RESULTS

We received information indicating that several associations would not be completing questionnaires. Fifty-nine of the associations said that they do not use federal information. In an additional 23 instances, we could not obtain completed questionnaires for a variety of reasons. Table V.2 summarizes these reasons. Thus, from our initial sample, 268 could be considered potential respondents, which would be projectable to a universe of 9,260 associations.

Table V.2:
Reasons Why General Associations Did Not Complete Questionnaires

Reason for not completing questionnaires	Number of associations
Does not use federal information	59
Undeliverable	12
Organization is defunct, or nearly so	3
Declined to complete questionnaire	3
Not an association	2
Organization is dormant	1
Officer deceased	1
Federal organization	1
Total	82

We received 173 completed questionnaires from 268 potential respondents for a response rate of 65 percent. Taking the nonrespondent associations into account, the results of the survey are projectable to an adjusted universe of 5,977 associations from the eight categories or 65 percent of the total of the 9,260 associations. A copy of the questionnaire follows that is annotated to show the overall associations' responses to each questionnaire item in percentages. The overall survey results are subject to a sampling error of not more than 8 percent at the 95-percent confidence level. Totals may not add to 100 percent due to rounding.

APPENDIX V

GENERAL ASSOCIATIONS N=173

1. Which group or constituency does your association represent? (Check one.)

1. [4.6] Agricultural community
2. [16.2] Business
3. [6.4] Consumers/public interest groups
4. [2.3] Cultural community
5. [15.0] Educational community
6. [15.0] Health and medical community
7. [1.7] Information industry
8. [2.3] Labor
9. [1.2] Libraries
10. [ ] Local or county governments
11. [ ] Media (print, radio, TV)
12. [9.8] Professional/scientific community
13. [3.5] Social welfare community
14. [1.7] State governments
15. [6.9] Trade associations
16. [12.7] Other (Please specify)

No response 0.6

2. Please indicate the number of people employed by your association nationwide. (Check one.)

1. [76.9] Less than 50
2. [4.6] 50 to 99
3. [8.1] 100 to 499
4. [2.3] 500 to 999
5. [4.0] 1,000 to 4,999
6. [1.2] 5,000 or more

No employees 1.2

No response 1.7

3. Are a majority of your association's members individuals or institutions? (Check one.)

1. [61.3] Individuals
2. [34.7] Institutions

No members 2.9

No response 1.2

4. Approximately how many members does your association represent? (Check one.)

1. [43.4] Less than 500
2. [9.2] 500 to 999
3. [26.0] 1,000 to 9,999
4. [11.0] 10,000 to 99,999
5. [2.9] 100,000 to 1 million
6. [2.9] Over 1 million

None 2.9

No response 1.7

APPENDIX V

5. Which of the following topics describe the general subject matter of federal information that your association currently uses or has used during the past 12 months? (Check all that apply.)

1. [4.0] Aerospace/aviation
2. [11.6] Agriculture
3. [7.5] Arts
4. [14.5] Business management
5. [8.7] Banking and securities
6. [11.0] Child care
7. [21.4] Colleges/universities
8. [18.5] Consumer information/ product safety
9. [4.0] Corrections/ penal systems
10. [36.4] Demographics/vital statistics/ census information
11. [19.7] Economics
12. [30.6] Education
13. [6.9] Elections
14. [10.4] Energy
15. [22.0] Environment
16. [17.9] Foreign affairs
17. [1.7] Gardening/home repairs
18. [0.6] Geology
19. [14.5] Government organization
20. [28.9] Health/nutrition
21. [4.0] History
22. [15.0] Insurance
23. [4.6] Investments
24. [20.2] Labor issues
25. [7.5] Law enforcement
26. [40.5] Laws/regulations
27. [10.4] Mental health
28. [8.1] Military
29. [9.8] Natural resources/mining
30. [8.1] Patents/trademarks/copyrights
31. [12.1] Personnel issues
32. [6.4] Public administration
33. [6.4] Recreation/tourism
34. [15.6] Retirement/aging issues
35. [12.1] Science
36. [19.1] Social programs
37. [20.2] Taxes
38. [12.7] Technology
39. [6.4] Telecommunications
40. [16.8] Trade
41. [16.8] Transportation
42. [14.5] Other (Specify)
43. [4.6] Other (Specify)

APPENDIX V

6. How often or rarely does your association use the following sources of federal information?

RESPONSE SCALE

1 = VERY OFTEN (At least once a week)
2 = OFTEN (At least once a month)
3 = OCCASIONALLY (At least once in the last 6 months)
4 = RARELY (At least once in the past 12 months)
5 = NEVER

FEDERAL INFORMATION SOURCE	FREQUENCY OF USE					
	1	2	3	4	5	No Answer
A. DIRECT FROM THE GOVERNMENT						
1. U.S. Government Printing Office (GPO)						
By mail/telephone order	4.0	10.4	24.3	24.9	29.5	6.9
From GPO bookstore	1.2	5.2	16.2	20.8	46.8	9.8
From a GPO depository library government documents collection	0.6	2.3	7.5	18.5	59.5	11.6
2. National Technical Information Service (NTIS)		2.3	1.6	13.3	61.8	11.0
3. Consumer Information Center (Pueblo, CO)	0.6	0.6	12.7	16.2	60.7	9.2
4. Individual federal agencies (e.g., Census Bureau, Department of Labor, etc.)	16.2	20.2	26.0	15.0	18.5	4.0
5. Office of U.S. Senator or Representative	15.0	15.6	24.9	18.5	20.8	5.2
6. Congressional Committee	13.3	12.7	23.7	19.1	24.3	6.9
7. Congressional agency (Library of Congress, General Accounting Office, Office of Technology Assessment, Congressional Budget Office, Congressional Research Service)	5.8	11.0	22.5	27.2	25.4	8.1
8. State or local government agency	8.7	13.3	24.9	23.7	22.0	7.5

APPENDIX V

	1	2	3	4	5	No Answer
B. VIA THE MEDIA						
1. Newspaper	45.1	15.0	15.0	12.1	9.8	2.9
2. News magazines	33.5	18.5	17.3	13.3	12.7	4.6
3. Radio/television	32.9	9.8	20.2	16.8	14.5	5.8
4. Trade, professional, or scientific journals	35.3	26.6	14.5	9.2	9.8	4.6
5. Newsletters	34.7	25.4	16.2	10.4	9.8	3.5
C. FROM COMMERCIAL SOURCES/VENDORS						
1. Commercial bookstore	3.5	4.0	17.3	26.0	41.0	8.1
2. Mail/telephone order company or direct from publisher	3.5	8.7	16.8	20.8	41.0	9.2
3. Electronic on-line database vendor	2.9	4.0	5.8	13.9	65.3	8.1
4. Information broker (documents retrieval company or specialist)	0.6	0.6	2.9	10.4	75.7	9.8
D. FROM LIBRARIES						
1. Local public library	2.9	6.4	12.7	31.8	41.0	5.2
2. Local school (Grade 1-12) library	0.6		0.6	8.7	80.9	9.2
3. College/university library	4.0	7.5	14.5	24.3	42.8	6.9
4. Organization/corporate library or information center	4.0	5.2	13.9	26.0	42.8	8.1
5. Federal agency library	1.2	2.9	11.0	24.3	50.9	9.8
6. State agency library	0.6	1.2	3.5	22.0	63.6	9.2
7. State government library	0.6	0.6	2.9	19.1	67.6	9.2

7. For the following types of federal information that your association currently obtains, whether from federal or non-federal sources, which format(s) do you use? (CHECK AS MANY BOXES IN EACH ROW AS APPLY. IF YOU DO NOT USE THIS TYPE OF FEDERAL INFORMATION, CHECK COLUMN (a) FOR THAT ROW.)

General Associations N=173

TYPES OF FEDERAL INFORMATION	FORMATS CURRENTLY USED: (a) DO NOT USE THIS TYPE OF FEDERAL INFORMATION	(b) PAPER	(c) MICROFILM	(d) MICROFICHE	(e) ELECTRONIC MAIL OR BULLETIN BOARD	(f) ON-LINE DATA BASE	(g) MAGNETIC TAPE/DISK	(h) FLOPPY DISK OR DISKETTE	(i) VIDEODISK	(j) COMPACT OPTICAL DISK	(k) FILM	(l) VIDEOTAPE	NO RESPONSE
1. Congressional record/ hearings/reports/bills	30.1	64.7	0.6	0.6	1.7	4.6	0.6	4.6				0.6	4.6
2. Laws/statutes	24.9	64.7	1.2	1.2	1.2	4.6						0.6	6.9
3. Scientific and technical reports/information	35.8	53.2	2.3	2.9	2.3	5.2		0.6	0.6	0.6	0.6	1.2	9.2
4. Consumer pamphlets/ reports	37.6	51.4	0.6		2.3	0.6							9.8
5. Press releases/bulletins	22.0	69.9			1.7	0.6							8.1
6. Catalogs/abstracts/ bibliographies/indices	39.9	50.3	1.2	1.7	2.3	2.3		0.6		0.6			9.8
7 Agency operational manuals	66.5	24.3		0.6									9.2
8. Agency contractual specifications/documents	64.2	25.4	1.2	1.2		0.6							9.8
9. Agency program/ project reports	41.0	52.0	0.6	0.6	0.6	1.2		0.6				0.6	6.9
10. Agency decisions/ administrative opinions	41.0	50.3	0.6	1.2	1.2	2.9						0.6	8.1
11. Agency rules/ regulations/directives	35.8	56.1	0.6	0.6	1.2	3.5						0.6	7.5
12. Maps, charts, photos	57.2	32.9	0.6	0.6		0.6							9.8
13. Computer models/ programs	79.8	7.5			0.6	0.6	0.6	1.2					13.3
14. Statistical data	33.5	57.8	1.2	2.9	2.3	4.0	0.6	2.9			0.6		6.9
15. Satellite imagery/data	84.4	1.2				0.6							13.9
16. Other (Specify) _____													

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8. For the following types of federal information that your association would like to obtain in the next 3 years, whether from federal or non-federal sources, which formats would you desire? (CHECK AS MANY BOXES IN EACH ROW AS APPLY. IF YOU ARE NOT LIKELY TO USE THIS TYPE OF FEDERAL INFORMATION, CHECK COLUMN (a) FOR THAT ROW.)

General Associations N=173

TYPES OF FEDERAL INFORMATION	(a) NOT LIKELY TO USE THIS TYPE OF FEDERAL INFORMATION	(b) PAPER	(c) MICROFILM	(d) MICROFICHE	(e) ELECTRONIC MAIL OR BULLETIN BOARD	(f) ON-LINE DATA BASE	(g) MAGNETIC TAPE/DISK	(h) FLOPPY DISK OR DISKETTE	(i) VIDEODISK	(j) COMPACT OPTICAL DISK	(k) FILM	(l) VIDEOTAPE	NO RESPONSE
	FORMATS DESIRED FOR USE IN THE NEXT 3 YEARS												
1. Congressional record/ hearings/reports/bills	20.2	59.5	1.7	1.7	15.0	16.8	0.6	11.6	0.6	1.2		4.0	8.1
2. Laws/statutes	21.4	54.3		1.2	12.1	13.9	0.6	8.1		1.2		2.3	12.7
3. Scientific and technical reports/information	28.9	51.4	1.2	1.2	7.5	8.1		4.6	0.6	1.7	1.2	2.9	12.1
4. Consumer pamphlets/ reports	26.6	53.2	1.2	0.6	5.8	4.6		4.6		0.6		1.7	15.0
5. Press releases/bulletins	16.8	61.3	1.2	0.6	13.3	9.8	0.6	4.6		0.6		1.7	13.3
6. Catalogs/abstracts/ bibliographies/indices	35.3	43.9	1.2	1.7	6.4	6.4		6.9		1.2		0.6	15.0
7 Agency operational manuals	54.9	27.7		1.7	2.9	3.5		2.3	0.6	1.2		0.6	14.5
8. Agency contractual specifications/documents	56.1	25.4	0.6	1.2	2.3	3.5		1.2		1.2	0.6	1.2	15.6
9. Agency program/ project reports	34.1	45.7	1.2	1.7	6.9	7.5		5.2	0.6	0.6		1.7	11.0
10. Agency decisions/ administrative opinions	33.5	43.9	1.2	1.7	6.4	12.7	0.6	5.2		0.6		1.2	11.6
11. Agency rules/ regulations/directives	31.8	48.6	1.2	0.6	6.9	12.1	0.6	6.9	0.6	0.6		1.7	12.1
12. Maps, charts, photos	44.5	33.5	1.2	1.2	2.9	4.0		2.9	0.6		0.6	3.5	16.8
13. Computer models/ programs	61.8	10.4			3.5	3.5	1.2	6.4				1.2	18.5
14. Statistical data	27.7	48.6	1.2	2.3	9.8	17.3	1.7	13.9		2.3	0.6	2.3	11.0
15. Satellite imagery/data	71.7	4.6			1.2	2.9		0.6	0.6		0.6	1.7	20.8
16. Other (Specify) _____													1.2

APPENDIX V

APPENDIX V

9. This question deals with four possible problems that your association may encounter when obtaining and using federal information in PAPER FORMAT, either (A) directly from federal sources, or (B) indirectly from non-federal sources. How much of a problem, if any, are these four factors for your association as a user of federal information in paper format for the following types of publications from these sources?

RESPONSE SCALE

1 = A very great problem
2 = A great problem
3 = A moderate problem
4 = Some problem
5 = Little or no problem
6 = Do not use this document in paper format from this source

SOURCE CODE

(A) Directly from federal sources
(B) Indirectly from non-federal sources

TYPES OF PUBLICATIONS/PROBLEMS

		Response frequencies						
	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL RECORD								
1. Ability to locate Congressional Record volume	(A)	1.7	5.2	8.1	8.7	31.8	30.6	13.9
	(B)	2.3	1.7	5.8	3.5	19.1	31.8	35.8
2. Monetary cost of obtaining the information	(A)	6.4	2.9	17.3	11.6	21.4	29.5	11.0
	(B)	3.5	2.9	5.8	5.8	15.6	30.1	36.4
3. Timeliness of the information when received	(A)	1.2	6.9	14.5	16.2	19.1	29.5	12.7
	(B)	2.3	2.3	8.7	8.1	13.3	30.6	34.7
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.2	4.6	9.2	8.7	33.5	30.1	12.7
	(B)	1.2	2.9	5.2	3.5	22.0	30.6	34.7

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	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL COMMITTEE REPORTS								
1. Ability to locate congressional committee reports	(A)	5.8	7.5	11.0	15.6	20.8	28.3	11.0
	(B)	3.5	3.5	4.6	4.0	17.3	28.9	38.2
2. Monetary cost of obtaining the information	(A)	3.5	4.0	14.5	10.4	28.3	28.3	11.0
	(B)	2.3	3.5	5.8	5.8	15.6	28.3	38.7
3. Timeliness of the information when received	(A)	3.5	8.7	13.9	13.9	20.8	27.7	11.6
	(B)	2.9	4.6	5.8	6.4	13.3	28.9	38.2
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.7	3.5	8.7	7.5	39.3	28.3	11.0
	(B)	1.7	0.6	5.8	3.5	21.4	28.9	38.2
FEDERAL REGISTER								
1. Ability to locate Federal Register volume	(A)	1.7	5.2	9.8	8.7	25.4	35.8	13.3
	(B)	0.6	1.2	8.7	4.0	14.5	34.1	37.0
2. Monetary cost of obtaining the information	(A)	4.6	3.5	12.7	11.0	20.8	36.4	11.0
	(B)	2.3	2.3	2.9	4.6	15.0	33.5	39.3
3. Timeliness of the information when received	(A)	2.9	6.9	8.7	14.5	16.8	36.4	13.9
	(B)	2.9	3.5	7.5	5.2	9.8	34.1	37.0
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.2	4.0	11.0	4.6	28.9	37.0	13.3
	(B)	0.6	1.7	7.5	1.7	17.3	34.1	37.0
CONSUMER PAMPHLETS/REPORTS								
1. Ability to locate consumer pamphlets/reports	(A)	0.6	6.9	9.8	8.7	20.8	39.3	13.9
	(B)	0.6	4.6	4.6	3.5	12.7	33.5	40.5
2. Monetary cost of obtaining the information	(A)	2.9	0.6	8.7	6.4	28.3	39.3	13.9
	(B)	1.2	0.6	5.2	1.2	16.8	33.5	41.6
3. Timeliness of the information when received	(A)	1.7	2.3	[illegible]5	7.5	26.0	39.3	15.6
	(B)	0.6	2.3	2.3	3.5	16.2	34.1	41.0
4. Ability to use the information (e.g., access, format, etc.)	(A)		0.6	5.2	5.2	34.1	39.9	15.0
	(B)		1.7	2.3	3.5	17.9	33.5	41.0

APPENDIX V

	Source	1	2	3	4	5	6	No Answer
SCIENTIFIC/TECHNICAL REPORTS								
1. Ability to locate scientific/technical reports	(A)	2.3	5.2	14.5	9.2	15.0	39.9	13.9
	(B)	2.3	2.3	8.1	5.8	11.0	30.6	39.9
2. Monetary cost of obtaining the information	(A)	4.0	3.5	7.5	11.0	20.8	39.3	13.9
	(B)	1.7	2.9	5.8	7.5	12.1	30.1	39.9
3. Timeliness of the information when received	(A)	1.7	4.0	13.9	9.2	17.9	39.3	13.9
	(B)	1.7	3.5	6.4	6.9	11.6	30.1	39.9
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.7	4.0	9.2	3.5	28.3	39.9	13.3
	(B)	1.2	2.9	5.2	2.3	18.5	30.1	39.3
STATISTICAL INFORMATION								
1. Ability to locate statistical documents	(A)	4.0	10.4	18.5	7.5	22.0	27.2	10.4
	(B)	1.7	3.5	9.8	5.8	12.7	28.9	37.6
2. Monetary cost of obtaining the information	(A)	5.2	2.3	12.7	8.7	31.2	27.2	12.7
	(B)	1.7	2.3	6.9	6.9	15.0	28.9	38.2
3. Timeliness of the information when received	(A)	6.4	5.2	16.8	9.2	22.5	27.2	12.7
	(B)	3.5	3.5	8.1	5.8	12.7	28.9	37.6
4. Ability to use the information (e.g., access, format, etc.)	(A)	4.0	1.7	11.0	11.6	30.1	27.7	13.9
	(B)	1.7	2.9	6.4	4.6	17.9	28.9	37.6

10. This question deals with four possible problems that your association may encounter when obtaining and using federal information from ON-LINE DATA BASES, either (A) directly from federal sources, or (B) indirectly from non-federal sources. How much of a problem, if any, are these four factors for your association as a user of federal information from on-line data bases for the following types of publications from these sources?

RESPONSE SCALE

1 = A very great problem
2 = A great problem
3 = A moderate problem
4 = Some problem
5 = Little or no problem
6 = Do not use this document from on-line data bases from this source

SOURCE CODE

(A) Directly from federal sources
(B) Indirectly from non-federal sources

TYPES OF PUBLICATIONS/PROBLEMS

		Response frequencies						
	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL RECORD								
1. Ability to locate Congressional Record volume	(A)	2.3	2.3	0.6	1.2	2.3	78.0	13.3
	(B)	2.3	1.7			4.0	60.7	31.2
2. Monetary cost of obtaining the information	(A)	2.9	0.6	1.7	1.2	2.3	78.0	13.3
	(B)	2.3	0.6	2.3	0.6	2.9	60.1	31.2
3. Timeliness of the information when received	(A)	1.7	2.3	1.7		2.9	78.0	13.3
	(B)	2.3	1.2	0.6		4.6	60.1	31.2
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.2	1.2	1.2	1.2	4.0	78.0	13.3
	(B)	1.7	0.6	0.6	1.7	4.0	60.1	31.2

APPENDIX V

	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL COMMITTEE REPORTS								
1. Ability to locate congressional committee reports	(A)	3.5	1.7	0.6	0.6	2.3	78.0	13.3
	(B)	2.9	1.2		1.2	4.6	59.0	31.2
2. Monetary cost of obtaining the information	(A)	2.9	0.6	1.2	0.6	3.5	78.0	13.3
	(B)	2.3	0.6	2.3	0.6	4.0	59.0	31.2
3. Timeliness of the information when received	(A)	2.3	0.6	2.3	0.6	2.9	78.0	13.3
	(B)	2.9	0.6	0.6	1.2	4.6	59.0	31.2
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.2	0.6	1.7	1.2	4.0	78.0	13.3
	(B)	1.7	0.6	0.6	1.7	5.2	59.0	31.2
FEDERAL REGISTER								
1. Ability to locate Federal Register volume	(A)	2.9	1.7	0.6	0.6	4.0	76.9	13.3
	(B)	2.3	1.2	0.6	1.2	4.0	59.5	31.2
2. Monetary cost of obtaining the information	(A)	2.3	1.2	2.3		4.0	76.9	13.3
	(B)	1.7	1.2	2.3		3.5	59.5	31.8
3. Timeliness of the information when received	(A)	1.7	1.2	2.3		4.6	76.9	13.3
	(B)	1.7	0.6	1.2	0.6	4.6	59.5	31.8
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.2	1.2	1.7	1.2	4.6	76.9	13.3
	(B)	1.2	0.6	0.6	1.7	4.6	59.5	31.8
CONSUMER PAMPHLETS/REPORTS								
1. Ability to locate consumer pamphlets/reports	(A)	2.3	1.2	1.2	0.6	3.5	76.3	15.0
	(B)	1.7		1.7	1.2	2.9	60.1	32.4
2. Monetary cost of obtaining the information	(A)	1.7		1.7	0.6	4.6	76.3	15.0
	(B)	1.7		2.9		2.9	60.1	32.4
3. Timeliness of the information when received	(A)	1.7		1.7	0.6	4.6	76.3	15.0
	(B)	1.7		1.7	0.6	3.5	60.1	32.4
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.2		1.7	1.7	4.0	76.3	15.0
	(B)	1.2		1.2	1.2	4.0	60.1	32.4

APPENDIX V

	Source	1	2	3	4	5	6	No Answer
SCIENTIFIC/TECHNICAL REPORTS								
1. Ability to locate scientific/technical reports	(A)	2.3	0.6	1.2		4.0	76.9	15.0
	(B)	1.7		1.7	1.2	4.0	59.0	32.4
2. Monetary cost of obtaining the information	(A)	2.3		2.3		3.5	76.9	15.0
	(B)	2.3		3.5	0.6	2.9	59.0	31.8
3. Timeliness of the information when received	(A)	1.7		2.3		4.0	76.9	15.0
	(B)	1.7		2.9	0.6	3.5	59.0	32.4
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.2		1.7	1.2	4.0	76.9	15.0
	(B)	1.2		2.3	1.7	3.5	59.0	32.4
STATISTICAL INFORMATION								
1. Ability to locate statistical documents	(A)	2.9	0.6	2.9	1.7	4.0	73.4	14.5
	(B)	2.3	0.6	2.9	2.3	2.9	58.4	30.6
2. Monetary cost of obtaining the information	(A)	2.9	0.6	2.9	0.6	5.2	73.4	14.5
	(B)	2.3	0.6	3.5	1.7	2.9	58.4	30.6
3. Timeliness of the information when received	(A)	2.9	0.6	4.0		4.6	73.4	14.5
	(B)	2.3	1.2	2.3	1.2	4.0	58.4	30.6
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.2	1.2	2.3	1.7	5.8	73.4	14.5
	(B)	1.7	1.2	1.7	2.3	4.0	58.4	30.6

APPENDIX V

11. To which of the following types of equipment does your association have access? (Check all that apply.)

1. [47.4] Microcomputer (PC) without modem
2. [51.4] Microcomputer (PC) with modem for on-line access
3. [17.9] Microfiche reader without printer
4. [11.0] Microfiche reader with printer
5. [5.8] CD-ROM (Compact disk/random access memory reader)
6. [11.0] Videodisk player
7. [26.0] Mainframe computer (for magnetic tape/disk access)

No response 6.4

12. Whether or not your association currently has the necessary equipment, how useful or not would the following on-line (i.e., immediate access) electronic information services be to your association? (Check one box in each row.) (Note: Such on-line services might be provided by the federal government, commercial vendors, or not-for-profit organizations.)

	Greatly useful	Useful	Moderately useful	Somewhat useful	Of little or no use	No Answer
ON-LINE (IMMEDIATE ACCESS) ELECTRONIC INFORMATION SERVICES						
1. Congressional Record	17.9	15.0	12.1	13.9	31.2	9.8
2. Committee Calendar and Bill Status	26.0	16.2	8.1	11.6	28.9	9.2
3. Federal Register	26.6	13.3	9.2	12.1	29.5	9.2
4. Federal agency press releases	19.7	15.0	15.0	14.5	26.6	9.2
5. Agency reports	17.3	20.8	10.4	13.3	28.3	9.8
6. Comprehensive index to federal information (All types/formats in Q.7)	24.3	17.9	11.6	11.6	24.9	9.8
7. Integrated database of key federal statistical series (e.g., statistics on energy, environment, agriculture, population)	26.0	17.3	11.6	9.8	24.9	10.4

APPENDIX V

13. Whether or not your association currently has the necessary equipment, how useful or not would the following off-line (CD-ROM issued monthly) electronic information services be to your association? (Check one box in each row.)

(Note: Such off-line services might be provided by the federal government, commercial vendors, or not-for-profit organizations.)

	Greatly useful	Useful	Moderately useful	Somewhat useful	Of little or no use	No Answer
OFF-LINE ELECTRONIC INFORMATION SERVICES (CD-ROM ISSUED MONTHLY)						
1. Congressional Record	11.0	11.0	12.7	9.2	46.8	9.2
2. Committee Calendar and Bill Status	13.3	14.5	6.4	10.4	45.7	9.8
3. Federal Register	12.7	15.0	9.2	9.2	44.5	9.2
4. Federal agency press releases	9.2	14.5	9.2	11.6	45.7	9.8
5. Agency reports	10.4	15.6	9.8	12.7	41.6	9.8
6. Comprehensive index to federal information (All types/formats in Q.7)	13.9	13.9	10.4	14.5	38.7	8.7
7. Integrated database of key federal statistical series (e.g., statistics on energy, environment, agriculture, population)	15.6	12.1	10.4	13.9	38.2	9.8

APPENDIX V

14. For these ON-LINE (immediate access) information services, assuming that there would be no charge other than the on-line access charge, which of the following charges would be the maximum hourly on-line access charge that your association would be willing to pay? (Check one box for each row.)

(Note: Assume that telecommunications charges are a part of the on-line access charge.)

	TOTAL HOURLY ON-LINE ACCESS CHARGE							
	$1-$9 PER HOUR	$10-$24 PER HOUR	$25-$49 PER HOUR	$50-$99 PER HOUR	$100 OR MORE PER HOUR	DO NOT KNOW	NOT WILLING TO PAY	NO ANSWER
ON-LINE ELECTRONIC INFORMATION SERVICES								
1. Congressional Record	29.5	3.5	5.2			47.4	2.3	12.1
2. Committee Calendar and Bill Status	23.7	7.5	5.2	1.2		49.1	1.7	11.6
3. Federal Register	26.0	6.4	6.4	0.6		46.8	2.3	11.6
4. Federal agency press releases	28.9	2.3	2.9			50.3	2.3	13.3
5. Agency reports	24.9	8.1	4.0			46.8	2.3	13.9
6. Comprehensive index to federal information	23.7	10.4	7.5			45.1	1.2	12.1
7. Integrated database of key statistical series	22.5	8.7	8.7	0.6		45.7	1.7	12.1

APPENDIX V

15. For these OFF-LINE (CD-ROM) information services, assuming that there would be no charge other than the purchase price of the CD-ROM, which of the following prices would be the maximum price that your association would be willing to pay for these information services issued monthly? (Check one box for each row.)

	PURCHASE PRICE FOR CD-ROM ISSUED MONTHLY								
	$1-19 PER CD-ROM	$20-49 PER CD-ROM	$50-199 PER CD-ROM	$200-499 PER CD-ROM	$500-999 PER CD-ROM	$1,000 OR MORE PER CD-ROM	DO NOT KNOW	NOT WILLING TO PAY	NO ANSWER
OFF-LINE ELECTRONIC INFORMATION SERVICES (INCLUDES ALL OUTPUT FOR THAT MONTH)									
1. Congressional Record	27.2	1.2	1.2				53.8	1.7	15.0
2. Committee Calendar and Bill Status	24.3	2.3	0.6				55.5	1.7	15.6
3. Federal Register	26.0	2.3	1.2				54.3	1.7	14.5
4. Federal agency press releases	24.3	0.6	0.6				57.2	1.7	15.6
5. Agency reports	24.3	1.2	0.6				56.6	1.7	15.6
6. Comprehensive index to federal information	22.5	2.9	2.3				56.1	1.2	15.0
7. Integrated database of key statistical series	23.1	2.9	2.3				55.5	1.2	15.0

SCIENTIFIC AND TECHNICAL ASSOCIATIONS - METHODOLOGY AND SURVEY RESULTS

Between January 13, 1988, and May 9, 1988, we did a mail survey of a random sample of the associations listed in the Scientific, Engineering, and Technical section of the Encyclopedia of Associations.[1]

METHODOLOGY

As a result of OTA's expressed interest in obtaining specific information from the scientific and technical community, we randomly selected 250 associations to be sent questionnaires from the total of 1,377 listed in this section. We sent questionnaires to associations where the following criteria were met:

-- Listings must have included an official's name and title and a complete mailing address, including ZIP code.

-- Addresses showed they were not affiliated with the federal government.

-- Addresses were within the United States.

Of the 250 random numbers initially selected, 20 could not be used and were replaced with other listings meeting the requirements. This replacement procedure resulted in an initial downward adjustment of the universe, from 1,377 to 1,267.

After the initial mailing to increase the response rate, we sent two follow-ups encouraging recipients to participate in the survey.

SURVEY RESULTS

We received information indicating that several scientific and technical associations would not be completing questionnaires. Thirty-six of the scientific and technical associations said that they do not use federal information. In an additional 12 cases, we could not obtain completed questionnaires for a variety of reasons. Table VI.1 provides specific reasons. Thus, from our initial sample, 202 could be considered potential respondents, which would be projectable to a universe of 1,024.

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[1]See appendix V for a fuller description of the Encyclopedia of Associations, Gale Research Company, 22nd ed., 1988.

Table VI.1:
Reasons Why Scientific and Technical Associations Did Not Complete Questionnaires

Reason for not completing questionnaires	Number of associations
Do not use federal information	36
Undeliverable	4
Not an association	4
Organization is defunct	2
Declined to complete questionnaire	2
Total	48

We received 149 completed questionnaires from 202 potential respondents for a response rate of 74 percent. Taking the nonrespondent scientific and technical associations into account, the results of the survey are projectable to an adjusted universe size of 755 scientific and technical associations or 74 percent of the 1,024 associations. A copy of the questionnaire follows that is annotated to show the scientific and technical associations' overall responses to each item in percentages. The overall survey results are subject to a sampling error of not more than 8 percent at the 95-percent confidence level. Totals may not add to 100 percent due to rounding.

APPENDIX VI

SCIENTIFIC AND TECHNICAL ASSOCIATIONS N=149

1. Which group or constituency does your association represent? (Check one.)

1. [1.3] Agricultural community
2. [2.0] Business
3. [6.0] Consumers/public interest groups
4. [ ] Cultural community
5. [6.7] Educational community
6. [0.7] Health and medical community
7. [4.0] Information industry
8. [ ] Labor
9. [ ] Libraries
10. [ ] Local or county governments
11. [0.7] Media (print, radio, TV)
12. [59.1] Professional/scientific community
13. [0.7] Social welfare community
14. [1.3] State governments
15. [2.7] Trade associations
16. [14.1] Other (Please specify)

No response 0.7

2. Please indicate the number of people employed by your association nationwide. (Check one.)

1. [79.9] Less than 50
2. [8.1] 50 to 99
3. [4.7] 100 to 499
4. [2.0] 500 to 999
5. [0.7] 1,000 to 4,999
6. [ ] 5,000 or more

No employees 3.4

No response 1.3

3. Are a majority of your association's members individuals or institutions? (Check one.)

1. [83.2] Individuals
2. [16.1] Institutions

No members 0.7

4. Approximately how many members does your association represent? (Check one.)

1. [34.9] Less than 500
2. [12.1] 500 to 999
3. [32.2] 1,000 to 9,999
4. [11.4] 10,000 to 99,999
5. [6.0] 100,000 to 1 million
6. [0.7] Over 1 million

None 1.3

No response 1.3

APPENDIX VI

5. Which of the following topics describe the general subject matter of federal information that your association currently uses or has used during the past 12 months? (Check all that apply.)

1. [20.1] Aerospace/aviation
2. [20.8] Agriculture
3. [4.7] Arts
4. [12.1] Business management
5. [5.4] Banking and securities
6. [2.0] Child care
7. [28.7] Colleges/universities
8. [16.2] Consumer information/ product safety
9. [3.4] Corrections/ penal systems
10. [24.2] Demographics/vital statistics/ census information
11. [14.8] Economics
12. [28.2] Education
13. [2.0] Elections
14. [25.5] Energy
15. [51.0] Environment
16. [7.4] Foreign affairs
17. [1.3] Gardening/home repairs
18. [14.8] Geology
19. [18.1] Government organization
20. [19.5] Health/nutrition
21. [6.7] History
22. [10.1] Insurance
23. [3.4] Investments
24. [9.4] Labor issues
25. [4.0] Law enforcement
26. [31.5] Laws/regulations
27. [8.7] Mental health
28. [10.7] Military
29. [24.8] Natural resources/mining
30. [14.8] Patents/trademarks/copyrights
31. [8.1] Personnel issues
32. [5.4] Public administration
33. [8.1] Recreation/tourism
34. [7.4] Retirement/aging issues
35. [63.8] Science
36. [5.4] Social programs
37. [12.1] Taxes
38. [38.3] Technology
39. [15.4] Telecommunications
40. [14.1] Trade
41. [8.1] Transportation
42. [18.1] Other (Specify)
43. [6.0] Other (Specify)

No response 0.7

APPENDIX VI

6. How often or rarely does your association use the following sources of federal information?

RESPONSE SCALE

1 = VERY OFTEN (At least once a week)
2 = OFTEN (At least once a month)
3 = OCCASIONALLY (At least once in the last 6 months)
4 = RARELY (At least once in the past 12 months)
5 = NEVER

FEDERAL INFORMATION SOURCE	FREQUENCY OF USE					
	1	2	3	4	5	No Answer
A. DIRECT FROM THE GOVERNMENT						
1. U.S. Government Printing Office (GPO)						
By mail/telephone order	2.0	8.7	29.5	25.5	26.2	8.1
From GPO bookstore	0.7	4.7	16.1	18.8	44.3	15.4
From a GPO depository library government documents collection	2.0	2.7	11.4	16.1	51.0	16.8
2. National Technical Information Service (NTIS)	2.7	2.7	22.1	27.5	34.2	10.7
3. Consumer Information Center (Pueblo, CO)	0.7	0.7	8.7	16.1	59.7	14.1
4. Individual federal agencies (e.g., Census Bureau, Department of Labor, etc.)	15.4	22.1	24.8	14.8	18.1	4.7
5. Office of U.S. Senator or Representative	6.0	13.4	22.1	18.8	32.2	7.4
6. Congressional Committee	6.0	10.1	20.1	14.1	40.9	8.7
7. Congressional agency (Library of Congress, General Accounting Office, Office of Technology Assessment, Congressional Budget Office, Congressional Research Service)	6.0	10.7	29.5	20.1	22.8	10.7
8. State or local government agency	4.7	14.8	19.5	20.8	26.2	14.1

APPENDIX VI

	1	2	3	4	5	No Answer
B. VIA THE MEDIA						
1. Newspaper	33.6	14.1	18.8	11.4	12.8	9.4
2. News magazines	25.5	15.4	21.5	10.7	15.4	11.4
3. Radio/television	20.8	10.7	16.8	18.8	20.8	12.1
4. Trade, professional, or scientific journals	43.0	21.5	19.5	2.7	7.4	6.0
5. Newsletters	30.9	30.9	15.4	6.0	8.7	8.1
C. FROM COMMERCIAL SOURCES/VENDORS						
1. Commercial bookstore	5.4	7.4	20.1	22.1	33.6	11.4
2. Mail/telephone order company or direct from publisher	4.7	12.1	14.8	21.5	36.2	10.7
3. Electronic on-line database vendor	5.4	6.0	10.7	11.4	53.0	13.4
4. Information broker (documents retrieval company or specialist)	0.7	2.0	10.1	11.4	62.4	13.4
D. FROM LIBRARIES						
1. Local public library	4.7	7.4	22.1	19.5	36.2	10.1
2. Local school (Grade 1-12) library			1.3	4.7	79.2	14.8
3. College/university library	9.4	9.4	21.5	22.8	25.5	11.4
4. Organization/corporate library or information center	6.7	12.1	14.8	20.8	34.2	11.4
5. Federal agency library	1.3	6.0	14.8	20.8	45.0	12.1
6. State agency library	0.7	2.7	6.7	14.1	61.7	14.1
7. State government library	0.7	2.0	4.7	14.8	63.8	14.1

7. For the following types of federal information that your association currently obtains, whether from federal or non-federal sources, which format(s) do you use? (CHECK AS MANY BOXES IN EACH ROW AS APPLY. IF YOU DO NOT USE THIS TYPE OF FEDERAL INFORMATION, CHECK COLUMN (a) FOR THAT ROW.)

Scientific and Technical Associations N=149

TYPES OF FEDERAL INFORMATION	DO NOT USE THIS TYPE OF FEDERAL INFORMATION (a)	FORMATS CURRENTLY USED: PAPER (b)	MICROFILM (c)	MICROFICHE (d)	ELECTRONIC MAIL OR BULLETIN BOARD (e)	ON-LINE DATA BASE (f)	MAGNETIC TAPE/DISK (g)	FLOPPY DISK OR DISKETTE (h)	VIDEODISK (i)	COMPACT OPTICAL DISK (j)	FILM (k)	VIDEOTAPE (l)	NO RESPONSE
1. Congressional record/ hearings/reports/bills	36.9	57.0		0.7	1.3	3.4							5.4
2. Laws/statutes	34.9	53.0	1.3		0.7	2.7		2.0					10.7
3. Scientific and technical reports/information	10.7	82.6	2.7	8.1	4.7	9.4		6.0		0.7	1.3	4.0	4.7
4. Consumer pamphlets/ reports	45.0	44.3		0.7	1.3	2.0		0.7		0.7			10.1
5. Press releases/bulletins	22.1	71.1			3.4	4.0		1.3		0.7		1.3	5.4
6. Catalogs/abstracts/ bibliographies/indices	24.2	62.4	1.3	4.0	2.7	10.7	0.7	3.4		0.7			8.1
7. Agency operational manuals	62.4	26.8	0.7	0.7	10.1			0.7					10.1
8. Agency contractual specifications/documents	59.7	28.2	1.3	1.3	0.7					0.7			9.4
9. Agency program/ project reports	30.2	63.1		1.3	1.3			0.7					6.0
10. Agency decisions/ administrative opinions	45.0	47.0			1.3	1.3							6.0
11. Agency rules/ regulations/directives	44.3	49.0	1.3	0.7	0.7	2.0		1.3		0.7	0.7		6.7
12. Maps, charts, photos	45.6	45.0	0.7	0.7			0.7	1.3		0.7	2.7	1.3	8.1
13. Computer models/ programs	63.8	10.1			2.0	0.7	4.7	11.4		1.3			12.1
14. Statistical data	31.5	58.4	1.3	2.0	0.7	5.4	1.3	5.4		1.3			9.4
15. Satellite imagery/data	73.2	11.4		0.7			1.3			0.7	3.4	1.3	11.4
16. Other (Specify) _____		2.0						1.3					2.0

APPENDIX VI

8. For the following types of federal information that your association would like to obtain in the next 3 years, whether from federal or non-federal sources, which formats would you desire? (CHECK AS MANY BOXES IN EACH ROW AS APPLY. IF YOU ARE NOT LIKELY TO USE THIS TYPE OF FEDERAL INFORMATION, CHECK COLUMN (a) FOR THAT ROW.)

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TYPES OF FEDERAL INFORMATION	(a) NOT LIKELY TO USE THIS TYPE OF FEDERAL INFORMATION	(b) PAPER	(c) MICROFILM	(d) MICROFICHE	(e) ELECTRONIC MAIL OR BULLETIN BOARD	(f) ON-LINE DATA BASE	(g) MAGNETIC TAPE/DISK	(h) FLOPPY DISK OR DISKETTE	(i) VIDEODISK	(j) COMPACT OPTICAL DISK	(k) FILM	(l) VIDEOTAPE	NO RESPONSE
	FORMATS DESIRED FOR USE IN THE NEXT 3 YEARS												
1. Congressional record/ hearings/reports/bills	32.2	52.3	0.7	0.7	16.1	21.5	1.3	11.4	0.7	1.3	0.7	3.4	4.0
2. Laws/statutes	32.2	49.0	0.7	0.7	9.4	17.4	0.7	10.1	2.0	2.0		1.3	7.4
3. Scientific and technical reports/information	10.1	71.1	2.0	4.7	20.8	29.5	2.7	19.5	2.0	3.4	1.3	4.0	3.4
4. Consumer pamphlets/ reports	38.9	40.3			10.7	14.1	0.7	10.1	1.3	2.0		2.7	11.4
5. Press releases/bulletins	16.1	63.1		0.7	22.1	16.1	0.7	8.7	1.3	2.0		2.0	6.7
6. Catalogs/abstracts/ bibliographies/indices	18.8	57.7	1.3	2.7	14.8	26.2	1.3	17.4	2.0	3.4	0.7	2.7	8.1
7 Agency operational manuals	55.0	28.2		0.7	5.4	8.1	1.3	6.7	0.7	0.7		2.0	11.4
8. Agency contractual specifications/documents	53.7	30.9	0.7	1.3	7.4	8.1	1.3	8.1	1.3	1.3		1.3	10.1
9. Agency program/ project reports	32.2	53.0	1.3	3.4	11.4	16.1	1.3	11.4	0.7	1.3	0.7	2.0	6.0
10. Agency decisions/ administrative opinions	39.6	43.6	0.7	1.3	11.4	16.1	0.7	11.4	0.7	1.3	0.7	2.0	6.7
11. Agency rules/ regulations/directives	38.3	46.3	0.7	0.7	8.1	16.1	1.3	10.7	0.7	1.3	0.7	2.0	8.1
12. Maps, charts, photos	39.6	45.6	2.0	2.7	4.7	8.1	1.3	10.7	2.0	4.0	3.4	5.4	8.1
13. Computer models/ programs	52.3	16.1	0.7	0.7	12.1	14.8	6.0	26.8	1.3	2.7		2.0	11.4
14. Statistical data	28.2	45.6	0.7	2.0	11.4	24.8	1.3	21.5	1.3	4.7		2.0	10.1
15. Satellite imagery/data	59.7	15.4	0.7	1.3	2.7	4.7	2.7	6.7	2.0	4.7	4.0	4.0	14.8
16 Other (Specify) _____		1.3			0.7	1.3		0.7					0.7

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APPENDIX VI

9. This question deals with four possible problems that your association may encounter when obtaining and using federal information in PAPER FORMAT, either (A) directly from federal sources, or (B) indirectly from non-federal sources. How much of a problem, if any, are these four factors for your association as a user of federal information in paper format for the following types of publications from these sources?

RESPONSE SCALE

1 = A very great problem
2 = A great problem
3 = A moderate problem
4 = Some problem
5 = Little or no problem
6 = Do not use this document in paper format from this source

SOURCE CODE

(A) Directly from federal sources
(B) Indirectly from non-federal sources

TYPES OF PUBLICATIONS/PROBLEMS

		Response frequencies						
	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL RECORD								
1. Ability to locate Congressional Record volume	(A)	2.0	4.0	7.4	7.4	26.2	43.0	10.1
	(B)	2.0	2.0	8.1	4.0	14.1	42.3	27.5
2. Monetary cost of obtaining the information	(A)	3.4	2.0	9.4	8.1	24.8	41.6	10.7
	(B)	3.4	2.0	7.4	6.7	12.1	40.3	28.2
3. Timeliness of the information when received	(A)	4.0	4.0	8.7	11.4	21.5	40.9	9.4
	(B)	4.0	2.7	9.4	4.0	12.1	38.9	28.9
4. Ability to use the information (e.g., access, format, etc.)	(A)		3.4	6.7	8.7	30.2	40.9	10.1
	(B)	0.7	0.7	6.0	4.0	19.5	40.3	28.9

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	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL COMMITTEE REPORTS								
1. Ability to locate congressional committee reports	(A)	2.7	8.7	12.1	8.7	20.1	37.6	10.1
	(B)	4.0	2.7	4.7	4.0	11.4	44.9	28.9
2. Monetary cost of obtaining the information	(A)	1.3	4.7	8.1	6.0	30.9	37.6	11.4
	(B)	2.7	2.7	5.4	2.7	12.8	44.3	29.5
3. Timeliness of the information when received	(A)	3.4	4.0	10.7	12.8	20.1	37.6	11.4
	(B)	4.0	1.3	5.4	4.0	10.7	44.3	30.2
4. Ability to use the information (e.g., access, format, etc.)	(A)	0.7	2.7	4.7	6.7	35.6	37.6	12.1
	(B)	1.3	1.3	2.7	2.7	17.4	44.3	30.2
FEDERAL REGISTER								
1. Ability to locate Federal Register volume	(A)	2.7	2.7	8.1	4.7	26.2	44.3	11.4
	(B)	3.4	1.3	3.4	3.4	11.4	47.0	30.2
2. Monetary cost of obtaining the information	(A)	2.7	1.3	7.4	6.7	26.2	43.0	12.8
	(B)	3.4	2.0	4.0	3.4	11.4	45.6	30.2
3. Timeliness of the information when received	(A)	2.7	0.7	5.4	10.1	25.5	42.3	13.4
	(B)	3.4	0.7	6.7	2.0	11.4	45.0	30.9
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.3	0.7	2.7	8.1	30.9	43.0	13.4
	(B)	2.0		4.0	4.0	13.4	45.6	30.9
CONSUMER PAMPHLETS/REPORTS								
1. Ability to locate consumer pamphlets/reports	(A)	1.3	4.0	10.1	8.1	17.4	45.6	13.4
	(B)	1.3	4.0	4.7	4.7	10.7	43.6	30.9
2. Monetary cost of obtaining the information	(A)	1.3	1.3	6.0	4.0	27.5	45.6	14.1
	(B)	2.0	2.0	4.0	2.0	14.1	45.0	30.9
3. Timeliness of the information when received	(A)	2.0	1.3	11.4	8.1	17.4	45.0	14.8
	(B)	1.3	0.7	8.7	5.4	9.4	43.6	30.9
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.3	0.7	3.4	4.7	28.9	46.3	14.8
	(B)	0.7	1.3	2.7	3.4	15.4	45.6	30.9

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	Source	1	2	3	4	5	6	No Answer
SCIENTIFIC/TECHNICAL REPORTS								
1. Ability to locate scientific/technical reports	(A)	4.7	12.1	18.8	14.8	26.8	14.8	8.1
	(B)	6.0	6.7	10.7	8.1	16.8	22.8	28.9
2. Monetary cost of obtaining the information	(A)	2.7	6.7	14.8	9.4	42.3	15.4	8.7
	(B)	4.0	5.4	13.4	5.4	18.8	24.2	28.9
3. Timeliness of the information when received	(A)	2.7	6.7	14.8	18.8	32.9	14.8	9.4
	(B)	2.7	4.0	8.7	10.1	20.8	23.5	30.2
4. Ability to use the information (e.g., access, format, etc.)	(A)	4.0	1.3	6.0	9.4	53.0	16.1	10.1
	(B)	2.0	1.3	4.0	6.7	30.9	24.8	30.2
STATISTICAL INFORMATION								
1. Ability to locate statistical documents	(A)	3.4	10.7	10.7	14.8	16.1	32.9	11.4
	(B)	3.4	5.4	8.7	6.7	12.1	34.9	28.9
2. Monetary cost of obtaining the information	(A)	2.7	4.0	7.4	9.4	30.2	32.9	13.4
	(B)	3.4	4.0	8.1	5.4	15.4	35.6	28.2
3. Timeliness of the information when received	(A)	2.7	5.4	12.1	15.4	18.1	32.9	13.4
	(B)	2.0	4.0	7.4	7.4	14.8	35.6	28.9
4. Ability to use the information (e.g., access, format, etc.)	(A)	2.0	3.4	4.0	14.1	30.9	32.9	12.8
	(B)	1.3	2.0	4.0	8.7	20.1	35.6	28.2

APPENDIX VI

10. This question deals with four possible problems that your association may encounter when obtaining and using federal information from ON-LINE DATA BASES, either (A) directly from federal sources, or (B) indirectly from non-federal sources. How much of a problem, if any, are these four factors for your association as a user of federal information from on-line data bases for the following types of publications from these sources?

RESPONSE SCALE

1 = A very great problem
2 = A great problem
3 = A moderate problem
4 = Some problem
5 = Little or no problem
6 = Do not use this document from on-line data bases from this source

SOURCE CODE

(A) Directly from federal sources
(B) Indirectly from non-federal sources

TYPES OF PUBLICATIONS/PROBLEMS

		Response frequencies						
	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL RECORD								
1. Ability to locate Congressional Record volume	(A)	1.3	0.7	2.7	2.7	6.0	69.1	17.4
	(B)		1.3	1.3	4.7	2.7	59.1	30.9
2. Monetary cost of obtaining the information	(A)		3.4	2.7	1.3	6.0	68.5	18.1
	(B)	1.3	1.3	4.0	0.7	4.0	58.4	30.2
3. Timeliness of the information when received	(A)	0.7	1.3	2.0	1.3	8.1	68.5	18.1
	(B)		0.7	4.0	1.3	4.7	58.4	30.9
4. Ability to use the information (e.g., access, format, etc.)	(A)		0.7	2.0	2.0	8.7	68.5	18.1
	(B)		1.3	1.3	1.3	6.7	58.4	30.9

	Source	1	2	3	4	5	6	No Answer
CONGRESSIONAL COMMITTEE REPORTS								
1. Ability to locate congressional committee reports	(A)	2.0	0.7	1.3	2.0	6.0	69.8	18.1
	(B)	0.7	1.3	0.7	1.3	4.0	61.1	30.9
2. Monetary cost of obtaining the information	(A)		4.0	2.0	0.7	5.4	69.8	18.1
	(B)	1.3	1.3	1.3		4.0	61.1	30.9
3. Timeliness of the information when received	(A)	0.7	1.3	2.0	2.0	6.0	69.8	18.1
	(B)	0.7		2.0	1.3	4.0	61.1	30.9
4. Ability to use the information (e.g., access, format, etc.)	(A)		1.3	1.3	2.0	7.4	69.8	18.1
	(B)	0.7	0.7		1.3	5.4	61.1	30.9
FEDERAL REGISTER								
1. Ability to locate Federal Register volume	(A)	0.7	0.7	2.7	1.3	6.0	71.1	17.4
	(B)	0.7		2.7	1.3	3.4	61.7	30.2
2. Monetary cost of obtaining the information	(A)		3.4	2.0	1.3	5.4	70.5	17.4
	(B)	1.3	1.3	2.7		4.0	61.1	29.5
3. Timeliness of the information when received	(A)		0.7	1.3	1.3	8.7	70.5	17.4
	(B)	0.7		2.7		5.4	61.1	30.2
4. Ability to use the information (e.g., access, format, etc.)	(A)			2.0	2.7	6.7	71.1	17.4
	(B)	0.7		0.7	1.3	6.0	61.1	30.2
CONSUMER PAMPHLETS/REPORTS								
1. Ability to locate consumer pamphlets/reports	(A)	1.3	1.3	1.3	2.7	6.0	68.5	18.8
	(B)	0.7		1.3	2.7	6.7	57.0	31.5
2. Monetary cost of obtaining the information	(A)	0.7	2.0	1.3	0.7	8.1	68.5	18.8
	(B)	1.3	0.7	2.0	0.7	6.7	57.0	31.5
3. Timeliness of the information when received	(A)	0.7	0.7	2.0	2.0	6.7	68.5	19.5
	(B)	0.7		2.7	2.7	5.4	57.0	31.5
4. Ability to use the information (e.g., access, format, etc.)	(A)	0.7		0.7	3.4	8.1	68.5	18.8
	(B)	0.7		0.7	2.0	8.1	57.0	31.5

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	Source	1	2	3	4	5	6	No Answer
SCIENTIFIC/TECHNICAL REPORTS								
1. Ability to locate scientific/technical reports	(A)	4.0	2.0	2.7	4.7	8.7	62.4	15.4
	(B)	2.0	2.0	3.4	2.0	9.4	50.3	30.9
2. Monetary cost of obtaining the information	(A)	4.0	2.0	5.4	3.4	7.4	62.4	15.4
	(B)	4.0	2.0	4.7	1.3	6.7	50.3	30.9
3. Timeliness of the information when received	(A)	0.7	2.0	2.7	7.4	8.7	62.4	16.1
	(B)	0.7	1.3	3.4	4.0	9.4	50.3	30.9
4. Ability to use the information (e.g., access, format, etc.)	(A)	1.3	0.7	2.0	8.1	10.1	62.4	15.4
	(B)	1.3		3.4	2.7	11.4	50.3	30.9
STATISTICAL INFORMATION								
1. Ability to locate statistical documents	(A)	2.7	2.0	3.4	4.0	5.4	65.1	17.4
	(B)	2.0	1.3	2.0	2.7	8.1	54.4	29.5
2. Monetary cost of obtaining the information	(A)	2.0	4.0	2.0	4.7	4.7	65.1	17.4
	(B)	2.0	4.0	0.7	2.7	6.7	54.4	29.5
3. Timeliness of the information when received	(A)	1.3	1.3	2.7	4.0	8.1	65.1	17.4
	(B)	1.3	1.3	2.0	2.7	8.7	54.4	29.5
4. Ability to use the information (e.g., access, format, etc.)	(A)	0.7	0.7	4.7	3.4	8.1	65.1	17.4
	(B)	0.7	1.3	1.3	2.7	10.1	54.4	29.5

APPENDIX VI

11. To which of the following types of equipment does your association have access? (Check all that apply.)

1. [60.4] Microcomputer (PC) without modem
2. [64.4] Microcomputer (PC) with modem for on-line access
3. [25.5] Microfiche reader without printer
4. [18.1] Microfiche reader with printer
5. [6.0] CD-ROM (Compact disk/random access memory reader)
6. [9.4] Videodisk player
7. [35.6] Mainframe computer (for magnetic tape/disk access)

No response 1.3

12. Whether or not your association currently has the necessary equipment, how useful or not would the following on-line (i.e., immediate access) electronic information services be to your association? (Check one box in each row.) (Note: Such on-line services might be provided by the federal government, commercial vendors, or not-for-profit organizations.)

	Greatly useful	Useful	Moderately useful	Somewhat useful	Of little or no use	No Answer
ON-LINE (IMMEDIATE ACCESS) ELECTRONIC INFORMATION SERVICES						
1. Congressional Record	12.8	9.4	12.1	16.8	43.0	6.0
2. Committee Calendar and Bill Status	14.8	11.4	11.4	14.1	40.9	7.4
3. Federal Register	17.4	10.7	10.7	14.8	39.6	6.7
4. Federal agency press releases	19.5	14.1	16.8	14.1	30.2	5.4
5. Agency reports	13.4	26.8	13.4	20.8	20.1	5.4
6. Comprehensive index to federal information (All types/formats in Q.7)	24.8	30.9	13.4	7.4	19.5	4.0
7. Integrated database of key federal statistical series (e.g., statistics on energy, environment, agriculture, population)	26.8	22.8	12.1	7.4	26.8	4.0

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13. Whether or not your association currently has the necessary equipment, how useful or not would the following off-line (CD-ROM issued monthly) electronic information services be to your association? (Check one box in each row.)

(Note: Such off-line services might be provided by the federal government, commercial vendors, or not-for-profit organizations.)

	Greatly useful	Useful	Moderately useful	Somewhat useful	Of little or no use	No Answer
OFF-LINE ELECTRONIC INFORMATION SERVICES (CD-ROM ISSUED MONTHLY)						
1. Congressional Record	6.0	6.0	10.1	13.4	57.7	6.7
2. Committee Calendar and Bill Status	4.0	8.7	10.1	10.7	59.7	6.7
3. Federal Register	8.7	6.0	11.4	7.4	58.4	8.1
4. Federal agency press releases	8.1	7.4	13.4	12.1	51.7	7.4
5. Agency reports	6.0	15.4	12.1	19.5	40.3	6.7
6. Comprehensive index to federal information (All types/formats in Q.7)	14.8	16.8	10.7	12.8	38.3	6.7
7. Integrated database of key federal statistical series (e.g., statistics on energy, environment, agriculture, population)	14.8	18.1	8.1	10.7	41.6	6.7

APPENDIX VI

14. For these ON-LINE (immediate access) information services, assuming that there would be no charge other than the on-line access charge, which of the following charges would be the maximum hourly on-line access charge that your association would be willing to pay? (Check one box for each row.)

(Note: Assume that telecommunications charges are a part of the on-line access charge.)

	TOTAL HOURLY ON-LINE ACCESS CHARGE							
	$1-$9 PER HOUR	$10-$24 PER HOUR	$25-$49 PER HOUR	$50-$99 PER HOUR	$100 OR MORE PER HOUR	DO NOT KNOW	NOT WILLING TO PAY	NO ANSWER
ON-LINE ELECTRONIC INFORMATION SERVICES								
1. Congressional Record	28.9	10.1	2.7			46.3	0.7	11.4
2. Committee Calendar and Bill Status	26.8	10.7	3.4			45.6	0.7	12.8
3. Federal Register	24.2	14.8	2.0	0.7		45.0	0.7	12.8
4. Federal agency press releases	29.5	10.7	2.0			45.6	0.7	11.4
5. Agency reports	28.9	16.8	2.7			41.6	0.7	9.4
6. Comprehensive index to federal information	23.5	19.5	5.4		0.7	40.9	0.7	9.4
7. Integrated database of key statistical series	19.5	15.4	9.4			43.6	0.7	11.4

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15. For these OFF-LINE (CD-ROM) information services, assuming that there would be no charge other than the purchase price of the CD-ROM, which of the following prices would be the maximum price that your association would be willing to pay for these information services issued monthly? (Check one box for each row.)

	PURCHASE PRICE FOR CD-ROM ISSUED MONTHLY								
	$1-19 PER CD-ROM	$20-49 PER CD-ROM	$50-199 PER CD-ROM	$200-499 PER CD-ROM	$500-999 PER CD-ROM	$1,000 OR MORE PER CD-ROM	DO NOT KNOW	NOT WILLING TO PAY	NO ANSWER
OFF-LINE ELECTRONIC INFORMATION SERVICES (INCLUDES ALL OUTPUT FOR THAT MONTH)									
1. Congressional Record	24.8	4.7	1.3	0.7			53.7	1.3	13.4
2. Committee Calendar and Bill Status	25.5	4.7	0.7	0.7			53.0	1.3	14.1
3. Federal Register	20.8	8.7	1.3	0.7			52.3	1.3	14.8
4. Federal agency press releases	26.8	4.0	0.7				53.7	1.3	13.4
5. Agency reports	23.5	10.7	2.0				49.0	1.3	13.4
6. Comprehensive index to federal information	24.2	11.4	4.0				46.3	1.3	12.8
7. Integrated database of key statistical series	22.8	10.1	4.7	0.7			47.0	1.3	13.4

APPENDIX VII

QUESTIONNAIRE GLOSSARY

Compact Optical Disk	A digital optical disk, encoded, sized, and mastered according to standards in use for consumer digital audio systems. The most common type is CD-ROM (Read-only-memory).
Electronic Bulletin Board	A computerized message system that generally can be used to post messages or read those left by others. Computer users gain access by means of a modem and common telephone communication lines.
Electronic Mail	A computerized message system that can be used to send and receive messages in electronic form via remote computer terminals.
On-line Data Base	A store of data on continuously updated files which can be connected to a computer by a communications link and can be accessible via a terminal.
Videodisk	A transparent or reflective disk developed to record or play-back television signals, but having the capacity to store and randomly access enormous amounts of digital data.

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